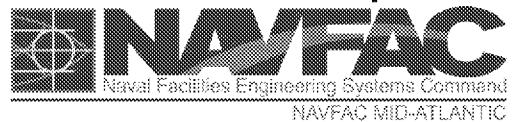


**2019 OU2 GROUNDWATER INVESTIGATION
DATA SUMMARY REPORT
VPB172**

**NAVAL WEAPONS INDUSTRIAL RESERVE PLANT (NWIRP)
SITE 1 OU2
BETHPAGE, NY**

Prepared for:



**Department of the Navy
Naval Facilities Engineering Command, Atlantic
9324 Virginia Avenue
Building Z-144
Norfolk, Virginia 23511**

January 2021

**2019 OU2 GROUNDWATER INVESTIGATION
DATA SUMMARY REPORT
VPB172**

**NWIRP
SITE 1 OU2
BETHPAGE, NY**

Prepared for:



**Department of the Navy
Naval Facilities Engineering Command, Atlantic
9324 Virginia Avenue
Building Z-144
Norfolk, Virginia 23511**

Prepared by:



**Resolution Consultants
A Joint Venture of AECOM & EnSafe
1500 Wells Fargo Building
440 Monticello Avenue
Norfolk, Virginia 23510**

**Contract Number: N62470-11-D-8013
CTO WE15**

January 2021

Brian Caldwell

**Brian Caldwell
Contract Task Order Manager**

Table of Contents

LIST OF ACRONYMS AND ABBREVIATIONS	
1.0 PROJECT BACKGROUND	1
1.1 SCOPE AND OBJECTIVES	1
1.2 SITE HISTORY	1
1.3 GEOLOGY AND HYDROGEOLOGY	2
1.3.1 Depositional Environment	2
1.3.2 Stratigraphy	2
1.3.3 Hydrogeology	3
2.0 FIELD PROGRAM	5
2.1 VERTICAL PROFILE BORINGS	5
2.1.1 Drilling	5
2.1.2 Sampling	5
2.1.3 Geophysics	6
2.2 DECONTAMINATION AND INVESTIGATION DERIVED WASTE (IDW)	6
2.3 SURVEYING	7
3.0 REFERENCES	8

Tables

Table 1 Vertical Profile Boring Summary

Figures

Figure 1 General Location Map

Figure 2 VPB172 Location Map

Appendices

Appendix A VPB172

- Section 1 VPB172 Boring and Gamma Logs
- Section 2 VPB172 Gamma and PCE/TCE Plot
- Section 3 VPB172 Groundwater Sample Log Sheets
- Section 4 VPB172 Analytical Data Validation
- Section 5 VPB172 Analytical Data Table
- Section 6 VPB172 Survey

List of Acronyms and Abbreviations

AOC	Area of Concern
bgs	below ground surface
COR	Continuously Operating Reference
CSM	Conceptual Site Model
DoD	Department of Defense
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency, United States
ft	feet
GOCO	Government-Owned Contractor-Operated
GPS	Global Positioning System
IDW	Investigation Derived Waste
IR	Installation Restoration
Katahdin	Katahdin Analytical Services
NAD	North American Datum
NAVD	North American Vertical Datum
NAVFAC	Naval Facilities Engineering Command
NG	Northrop Grumman
NWIRP	Naval Weapons Industrial Reserve Plant
NYSDEC	New York State Department of Environmental Conservation
OU	Operable Unit
PCBs	Polychlorinated Biphenyls
PCE	Tetrachloroethene
PID	Photoionization Detector
POTW	Publicly Owned Treatment Works
PPE	Personal Protective Equipment
SAP	Sampling and Analysis Plan
SVOC	Semivolatile Organic Compounds
TCE	Trichloroethene
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TOC	Total Organic Carbon
UFP	United Federal Programs
VOC	Volatile Organic Compounds

VPB

Vertical Profile Boring

1.0 PROJECT BACKGROUND

Resolution Consultants has prepared this Data Summary Report for the Naval Facilities Engineering Command (NAVFAC), Mid-Atlantic under contract task order WE15 Contract N62470-11-D-8013. This report describes vertical profile boring (VPB) installation activities (specifically at the VPB172 location) in 2019 for the Naval Weapons Industrial Reserve Plant (NWIRP) Bethpage Operable Unit (OU) 2 Site 1 off-property plume. NWIRP Bethpage is located in east-central Nassau County, Long Island, New York, approximately 30 miles east of New York City (Figure 1).

1.1 Scope and Objectives

This data summary report provides information on the installation of VPB172. The purpose of the VPB172 investigation was to ascertain subsurface conditions and contaminant levels in the off-property plume south of Hempstead Turnpike and west of Hicksville Road. VPB locations within the general vicinity of VPB172 are shown in Figure 2. VPB172 was completed to 970 feet (ft) below ground surface (bgs).

Field tasks were conducted in 2019 in accordance with the *United Federal Programs Sampling and Analysis Plan (UFP SAP) Site 1 OU2 Offsite TCE Groundwater Plume Investigation*, NWIRP, Bethpage, New York (Resolution Consultants, 2013a) and the *UFP SAP Addendum Installation of Vertical Profile Borings and Monitoring Wells* (Resolution Consultants, 2013b). The field investigation included completing one vertical profile boring, groundwater grab samples, geophysical logging, and surveying.

Documentation of these activities is included in Appendix A of this report.

1.2 Site History

NWIRP Bethpage is in the Hamlet of Bethpage, Town of Oyster Bay, New York. Since its inception in 1941, the plant's primary mission was the research, prototyping, testing, design, engineering, fabrication, and primary assembly of military aircraft. The facilities at NWIRP included four plants used for assembly and prototype testing, a group of quality control laboratories, two warehouse complexes (north and south), a salvage storage area, water recharge basins, the Industrial Wastewater Treatment Plant, and several smaller support buildings.

The Navy's property originally totaled 109.5 acres and was formerly a Government-Owned Contractor-Operated (GOCO) facility that was operated by Northrop Grumman (NG) until September 1998. Prior to 2002, the NWIRP property was bordered on the north, west, and south by current or former NG facilities, and on the east by a residential neighborhood. By March 2008, approximately

100 acres of NWIRP property were transferred to Nassau County in three separate actions. The remaining 9 acres and access easements were retained by the Navy to continue remedial efforts at Installation Restoration (IR) Site 1 – Former Drum Marshalling Area and Site 4 – Former Underground Storage Tanks (Area of Concern [AOC] 22). A parcel of land connecting the two sites was also retained. Currently, the 9-acre parcel of NWIRP is bordered on the east by a residential neighborhood and on the north, south, and west by Steel Equities; however, a small portion near Sites 2 and 3 is still owned by Nassau County. Access to the NWIRP is from South Oyster Bay Road.

1.3 Geology and Hydrogeology

1.3.1 Depositional Environment

Previous sequence stratigraphic studies of the New Jersey and New York Coastal Plains have shown that facies successions in the region can largely be explained by global sea level oscillations and sediment supply. The Turonian age sea level changes resulted in several phases of seaward progradation and landward retrogradation that affected the deposition and preservation of lithologic sequences in the Magothy. Periods of elevated or low sea level have a distinct effect on shoreline position and the types of deltaic facies that are deposited on the coastal plain. During high sea level, marine to distal deltaic facies tend to form. In contrast, during periods of low relative sea level, marginal to nonmarine deltaic facies are deposited.

Changes in sediment supply resulting from the tectonic uplift and weathering of the ancestral Appalachians during the Albian stage (approximately 100 million years ago) also influenced depositional environments in the region. The large influx of coarse sediments is reflected in the rapid seaward progradation of the shoreline and extensive delta plain deposits (Magothy Formation) on the New Jersey Coastal Plain.

1.3.2 Stratigraphy

Overburden at the site consists of well over 1,000 ft of unconsolidated deposits overlying crystalline bedrock of the Hartland Formation. Overburden is divided into four geologic units in descending order: the upper Pleistocene deposits, the Magothy Formation, the clay member of the Raritan Formation ("Raritan Clay") and the Lloyd Sand member of the Raritan Formation ("Lloyd Sand") (Geraghty and Miller, 1994).

The upper Pleistocene consists of till and outwash deposits of medium to coarse sand and gravel with lenses of fine sand, silt and clay (Smolensky and Feldman, 1988); these deposits form the Upper Glacial Aquifer. The continental deposits are considerably thicker than previously thought, ranging

from 50 – 300 feet. Directly underlying this unit is the Magothy Formation with a thickness of 650 to 900 ft that extends to a depth of 700 to 1,000 ft bgs, as observed at the former NWIRP and extending southeast to areas south of Southern State Parkway. Locally at VPB172, the bottom of the Magothy (top of the Raritan Clay) is encountered at approximately 953 feet bgs. The Magothy is characterized by fine to medium sands and silts interbedded with zones of clays, silty sands and sandy clays. Sand and gravel lenses are found in some areas between depths of 600 and 880 ft bgs; these deposits form the main groundwater producing zones of the Magothy Aquifer.

Investigations performed by the Navy since 2012 indicate that the bottom of the Magothy (top of the Raritan Clay) can extend to depths of 700 to greater than 1,000 ft bgs. The top of the Raritan Clay deepens to the south-southeast, as evidenced by clay depths of 1,000 ft bgs (or more) in borings installed off-property. The Raritan Clay Unit is of continental origin and consists of clay, silty clay, clayey silt, and fine silty sand. This member acts as a confining layer over the Lloyd Sand Unit. The Lloyd Sand Unit is also of continental origin, having been deposited in a large fresh water lacustrine environment. The material consists of fine to coarse-grained sands, gravel, inter-bedded clay, and silty sand. These deposits form the Lloyd Aquifer.

1.3.3 Hydrogeology

The Upper Glacial Aquifer and the Magothy Aquifer comprise the aquifers of interest at the NWIRP. Regionally, these formations are generally considered to form a common, interconnected aquifer as the coarse nature of each unit near their contact and the lack of any regionally confining clay unit allows for the unrestricted flow of groundwater between the formations.

The Magothy Aquifer is the major source of public water in Nassau County. The most productive water bearing zones are the discontinuous lenses of sand and gravel that occur within the siltier matrix. The major water-bearing zones are coarse sand and gravel lenses located in the lower portion of the Magothy. Because of the presence of intermittent clay layers and the depths, the Magothy Aquifer is commonly regarded to function overall as an unconfined aquifer at shallow depths and a confined aquifer at greater depths. The drilling program at the NWIRP has revealed that clay zones beneath the facility are common but laterally discontinuous. No confining clay units of facility-wide extent have been encountered.

Groundwater is encountered at an average depth of approximately 50 ft bgs at the facility. Historically, because of pumping and recharge at the facility, groundwater depths have been measured to range from 15 to 60 ft bgs. Depth to water in the vicinity of VPB172 is not known but likely to be

approximately 30 feet bgs based on the RE115D1 and RE115D2 well cluster to the east. The groundwater flow in the area is to the south-southeast.

The ESS results provide important insight into the distribution of transmissive and storage zones at the Site. Considerable heterogeneity exists in the subsurface due to alternating depositional environments that resulted from changes in sea level and sediment supply. Laterally continuous fluvial sands and distributary mouth bars are inferred to represent high permeability units and conduits for groundwater flow/contaminant transport, however the continuity of those units is variable. Fine grained muds deposited during maximum flooding appear to correlate to contamination data peaks, potentially acting as storage units by adsorption of contamination within the matrix of fine-grained muds.

2.0 FIELD PROGRAM

Field investigation activities at VPB172 consisted of drilling, sampling, soil/groundwater analysis, geophysical logging, and surveying. Drilling during this investigation was performed by Delta Well and Pump Company of Ronkonkoma, New York. A description of these tasks is provided below.

2.1 Vertical Profile Borings

One vertical profile boring (VPB172) was completed during this field effort between March 21, 2019 and May 7, 2019. The total depth of VPB172 was 970 ft. The location is shown in Figure 2 and details are summarized in Table 1.

2.1.1 Drilling

In order to prevent sloughing of the borehole through unconsolidated lithologies, VPB172 was installed by setting a 10-inch diameter surface casing to 52 ft bgs and then setting an 8-inch diameter casing to a depth of 121 ft bgs using mud rotary drilling techniques. Drilling mud consisted of potable water and polymer-free sodium bentonite. Drilling mud was contained and re-circulated in baffled, high capacity mud tubs. A sand separator was used intermittently to remove fines from circulation.

2.1.2 Sampling

A total of thirteen (13) split spoon samples were collected from ground surface to the bottom of the boring. A change in geology was observed by the field geologist at 953 ft bgs and three (3) split spoon samples were subsequently collected to confirm the presence of the Raritan Clay. Samples were logged by the field geologist and screened for Volatile Organic Compounds (VOCs) utilizing a photoionization detector (PID). A detailed boring log for VPB172 is included in Appendix A.

Groundwater grab samples were collected every 50 ft for the first 200 ft of borehole depth. After the first 200 ft, groundwater grab samples were collected approximately every 20 ft until the boring terminated in the Raritan. Groundwater grab samples were collected with a hydropunch sampler and analyzed for VOCs using Environmental Protection Agency (EPA) Method 8260C. The groundwater grab samples were analyzed by Katahdin Analytical Services (Katahdin), a Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP), and New York State Department of Environmental Conservation (NYSDEC)-certified laboratory. During the collection of groundwater grab samples, field parameters were measured (pH, temperature, specific conductivity, oxidation reduction potential, dissolved oxygen, and turbidity). Data validation was performed by Resolution Consultants.

Groundwater grab sample logs, data validation packages, and analytical data tables are included in Appendix A.

One soil sample was collected from a depth of 683-685 feet bgs for laboratory analysis for total organic carbon (TOC) by EPA series SW-846 method 9060A. During drilling, air sampling was conducted under a Community Air Monitoring Plan. One air sample was collected using a Summa canister and submitted for laboratory analysis by EPA Method TO-15. All analyses were performed or sub-contracted by Katahdin. Data validation of both TOC and air data was performed by Resolution Consultants. Data validation packages and analytical data tables are included in Appendix A.

2.1.3 Geophysics

Borehole geophysical logs (gamma) were recorded after the borehole was drilled but prior to the removal of drill rods. A Mount Sopris Instrument model 2PGA-100 poly gamma was used. Starting at the top of the hole, the probe was advanced at a maximum rate of 12 ft per minute. A copy of the log was printed in the field for review once the probe reached the bottom of the borehole. The instrument was then raised to the top of the boring and a second log was generated and printed in the field. The down hole gamma log sheets and plots comparing the gamma log with trichloroethene (TCE) and tetrachloroethene (PCE) concentrations from hydropunch samples are included in Appendix A.

2.2 Decontamination and Investigation Derived Waste (IDW)

Resolution Consultants utilized dedicated and disposable sampling equipment when possible to avoid the potential for cross-contamination of samples. The sampling equipment included dedicated plastic scoops, disposable Teflon or polyethylene tubing, disposable gloves, and laboratory supplied sample bottles. Hand held equipment, split spoons, and the hydropunch were decontaminated using Luminox and water wash, a potable water rinse, followed by a distilled water rinse. Water was collected in 5-gallon pails or 55-gallon drums.

As part of the IDW management practices and in accordance with the SAP, the investigation waste (consisting of soil cuttings, drilling muds, IDW fluids, and personal protective equipment [PPE]) generated during the boring installation was containerized and staged at NWIRP Bethpage. IDW solids were characterized and disposed of properly. Representative samples from each roll off were submitted to Katahdin for analysis of:

- Target Compound List (TCL) VOCs
- TCL Semi-volatile Organic Compounds (SVOCs)
- Toxicity Characteristic Leaching Procedure (TCLP) Metals
- Polychlorinated Biphenyls (PCBs)
- Total petroleum hydrocarbons
- Corrosivity
- Ignitability
- Reactive Cyanide
- Reactive Sulfide
- Paint Filter

IDW water was containerized in frac tanks and stored at NWIRP Bethpage for characterization and ultimate disposal to the Publicly Owned Treatment Works (POTW), in accordance with the facilities existing discharge permit. A representative water sample was collected from each frac tank and submitted to Katahdin for analysis of VOCs via Method SW 624, pH via Method SW 9040B, PCBs via Method 8082 and Total Metals via Method SW 846. To the extent feasible, soil and water were not mixed. All analytical criteria were met for disposal of soil and water.

2.3 Surveying

A survey of the boring location was conducted at the end of the fieldwork by C. T. Male, Inc., of Latham, NY, under the direct supervision of Resolution Consultants. The location was tied into the existing base map developed for this investigation. The survey elevation is referenced to the North American Vertical Datum (NAVD) 1988 and has a vertical accuracy of 0.01 foot. Vertical control is based on observations of the Continuously Operating Reference (COR) Stations Queens and Central Islip. The horizontal location is referenced to the North American Datum (NAD) 1983 (2011) N.Y. Long Island Zone 3104 and has an accuracy of 0.1 foot. Local horizontal and vertical control is based on Global Positioning System (GPS) observations using the NYS Net Real Time Network.

A table of survey data (ground, latitude/longitude and northing/easting) and a survey map is included in Appendix A.

3.0 REFERENCES

- Geraghty and Miller, Inc., 1994. *Remedial Investigation Report, Grumman Aerospace Corporation, Bethpage, New York*. Revised September 1994.
- Naval Facilities Engineering Command (NAVFAC), 2003. *Record of Decision Naval Weapons Industrial Reserve Plant Bethpage, New York, Operable Unit 2 – Groundwater*, NYS Registry: 1-30-003B. April.
- Resolution Consultants, 2013a. *United Federal Programs Sampling and Analysis Plan, Site 1 OU2 Offsite TCE Groundwater Plume Investigation*, NWIRP, Bethpage, New York. April.
- Resolution Consultants, 2013b. *UFP SAP Addendum, Installation of Vertical Profile Borings and Monitoring Wells*. NWIRP, Bethpage, New York. December.
- Smolensky, D., and Feldman, S., 1988. *Geohydrology of the Bethpage-Hicksville-Levittown Area, Long Island, New York*, U.S. Geological Survey Water-Resourced Investigations Report 88-4135, 25 pp.

NEW YORK PROFESSIONAL GEOLOGIST SEAL

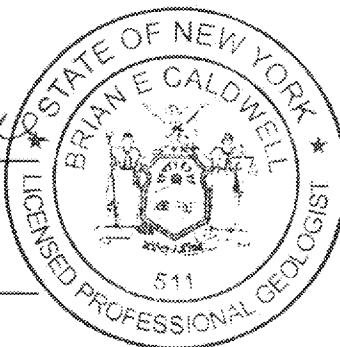
As a New York-licensed Professional Geologist, I have reviewed and approve this Vertical Profile Boring Data Summary Report for Vertical Profile Boring 172 - Groundwater Investigation at Naval Industrial Reserve Plant Bethpage Operable Unit 2, Site 1, and seal it in accordance with Article 145 Section 7209 of the New York State Education Laws. In sealing this document, I certify it was prepared under my direction, the geological information contained in it is true to the best of my knowledge and the geological methods and procedures included herein are consistent with currently accepted geological practices.

It is a violation of this law for any person to alter the contained drawings or the report in any way, unless he or she is acting under the direction of a NY-licensed Professional Geologist.

Name: Brian E. Caldwell
NY PG License Number: 000511
State: New York


Signature:

Jan 25 2021
Date:



Tables

TABLE 1
VERTICAL PROFILE BORING SUMMARY
 2019 OU2 GROUNDWATER INVESTIGATION
 NWIRP BETHPAGE, NY

BORING	BORING START DATE	BORING COMPLETION DATE	GROUND ELEVATION (MSL)	TOTAL DEPTH (ft bgs)	SURFACE CASING SET AT (ft bgs)*	NO. OF SPOON SAMPLES	GEOPHYSICAL LOG DEPTH (ft bgs)	NO. GW SAMPLES COLLECTED/ DUPLICATES/ ATTEMPTED	TOC SAMPLE DEPTH (ft bgs)	DATE OF AIR SAMPLE	MONITORING WELLS INSTALLED AT LOCATION
VPB172	3/21/2019	5/7/2019	66.98	970	52	13	968	39/2/4	683 - 685	4/25/2019	None planned

MSL - mean sea level

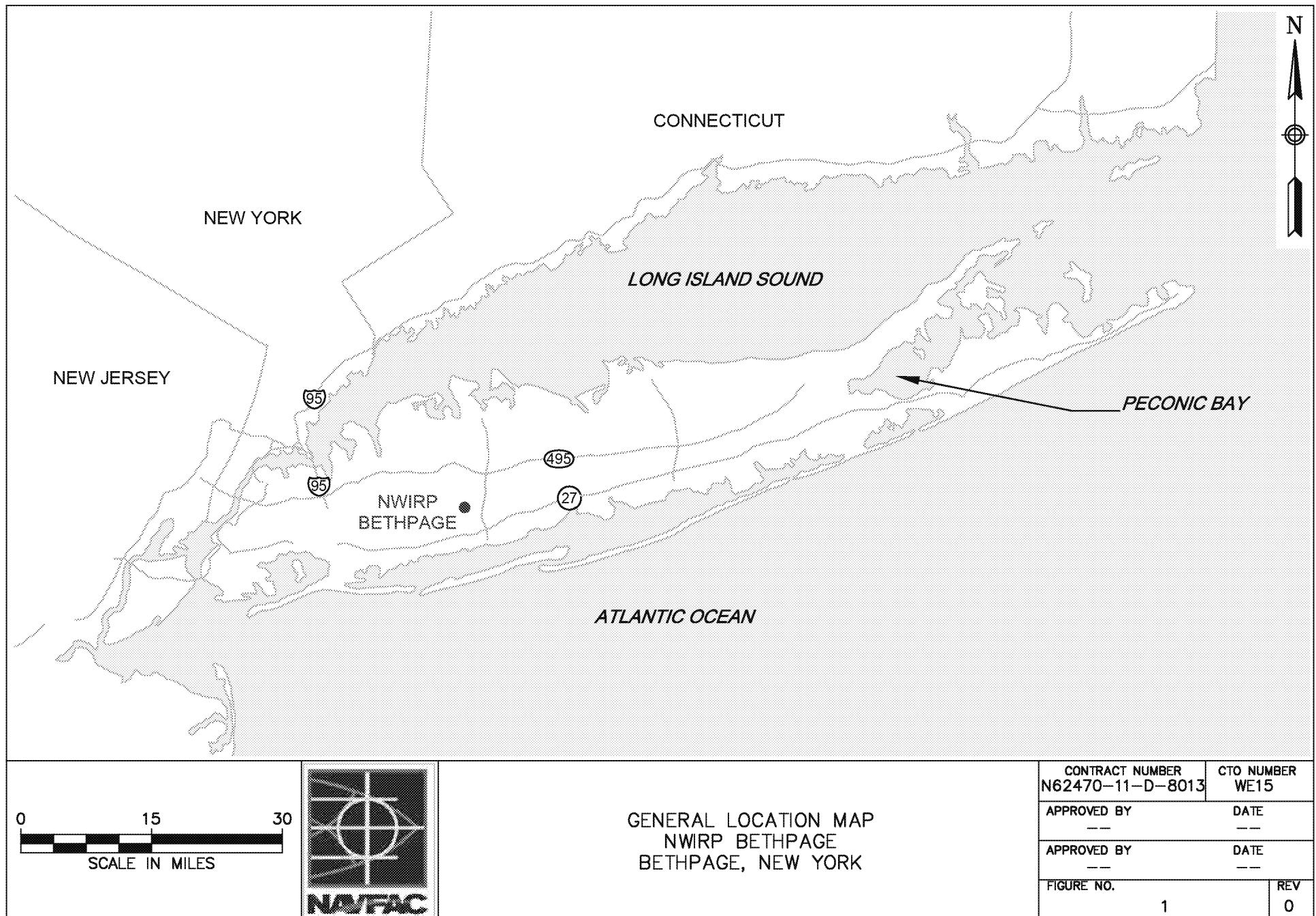
ft bgs - feet below ground surface

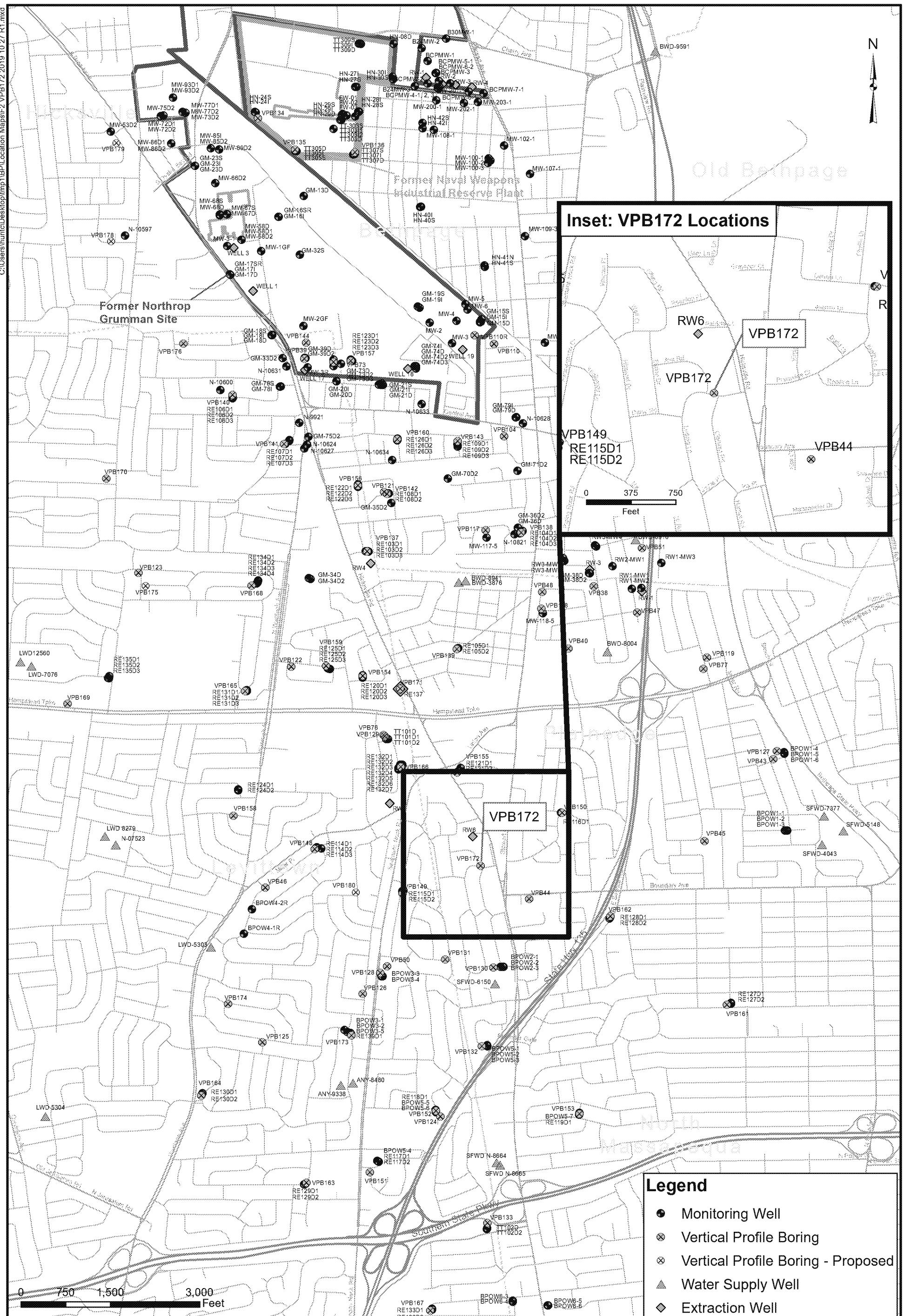
GW - Groundwater

TOC - Total Organic Carbon

*8-inch casing installed to 121 feet inside 10-inch casing

Figures





VPB172 LOCATION MAP
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT
BETHPAGE, NEW YORK

CONTRACT NUMBER N62470-11-D8013	CTO NUMBER WE15
APPROVED BY PS	DATE 10/27/2019
APPROVED BY _____	DATE _____
FIGURE NO. 2	REV 0

Appendices

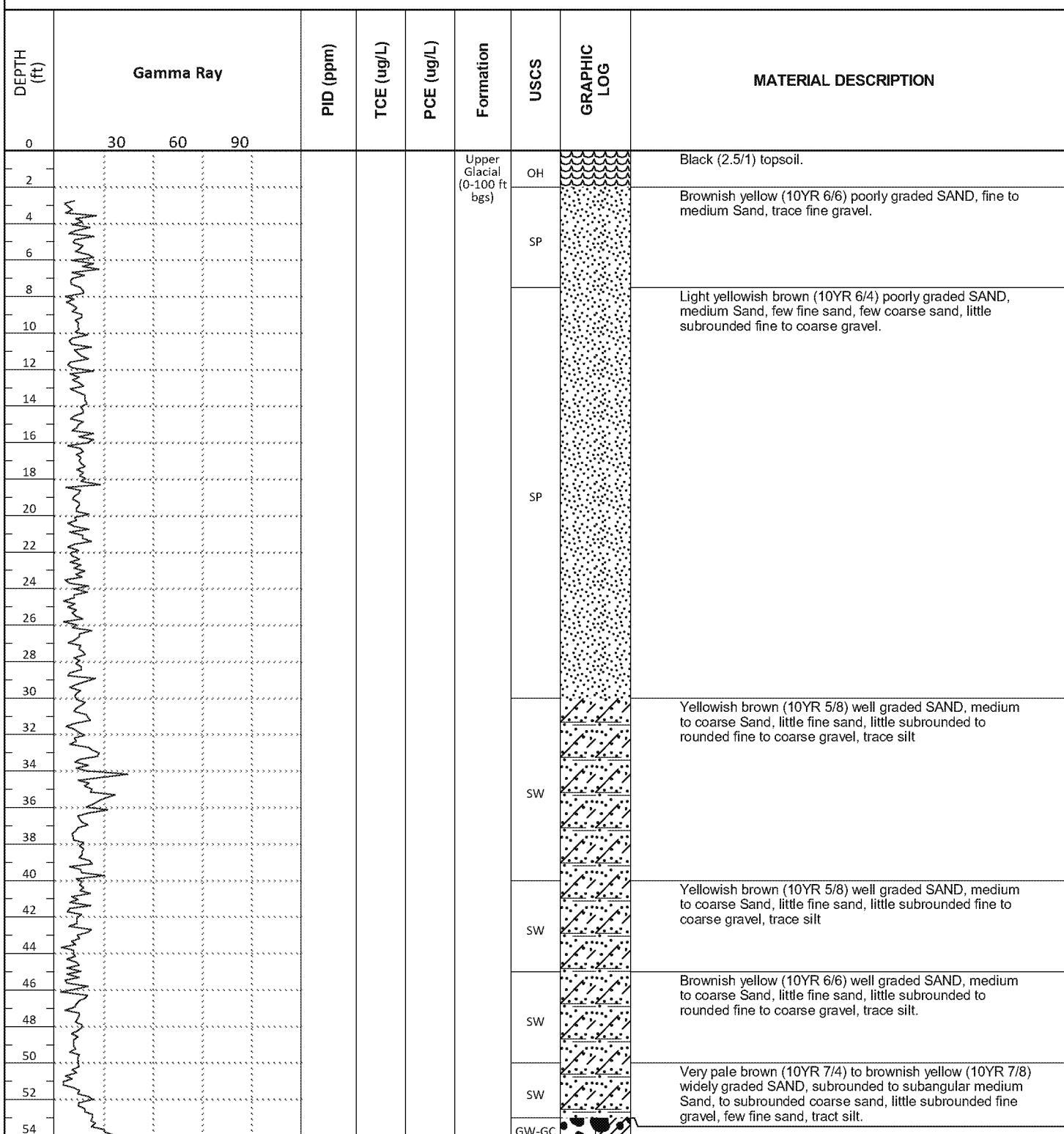
Appendix A

VPB172

Section 1
VPB172 Boring and Geophysical Logs

Client: Department of the Navy, Naval Facilities Engineering Command, Mid-Atlantic			Logged By: V. Thayer
Location: Ludwig Lane, Town of Bethpage, NY	Northing: 201418.27	Easting: 1127041.66	Drilling Company: Delta Well & Pump
Project #: 60266526	Ground Elevation (ft amsl): 66.98		Well Screen Interval (ft): NA
Start Date: 3/21/2019	Drilling Method: Auger (0-50' bgs) Mud Rotary (>50' bgs)		Water Level (ft): NA
Finish Date: 5/7/2019			Total Depth (ft): 970.0

Mud Rotary Drilling Note: Unless denoted by a splitspoon sample (indicated by the presence of a PID reading), boundaries between strata are approximate and may be transitional because they are based on screened wash samples collected during mud rotary drilling at 5 ft. intervals.



(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
	30	60	90							
54										
56										
58										
60										
62										
64										
66										
68										
70										
72										
74										
76										
78										
80										
82										
84										
86										
88										
90										
92										
94										
96										
98										
100				1.0	2.2		Magothy (100-953 ft bgs)			
102										
104										
106										
108										
110										
112										
114										

(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
116	30	60	90				Magothy (100-953 ft bgs)	SW-SC		Very pale brown (10YR 7/3) well graded SAND with Clay; angular medium sand to subangular coarse sand, little fine sand, few clay. (continued)
118								SC		Very pale brown (10YR 7/3) clayey SAND, fine to coarse Sand, trace subrounded fine gravel, little clay (20%); lignite microlaminae.
120										
122										
124										
126										
128										
130										
132										
134										
136										
138										
140										
142										
144										
146										
148										
150										
152										
154										
156										
158										
160				<0.60 J	<0.5 U					
162										
164										
166										
168										
170										
172										
174										
176										

(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
178	30	60	90				Magothy (100-953 ft bgs)	SP-SC		Gray (7.5 YR 6/1) poorly graded SAND with Clay, subangular medium sand, few coarse sand, few clay. <i>(continued)</i>
180								SP-SC		
182								SC		
184										Light brownish gray (10YR 6/2) poorly graded SAND with Clay, subangular medium sand, little fine sand, few clay with interbedded gray clay (7.5YR 7/2) interbedded lignite seams, 2 hematite concretions.
186										Gray (7.5YR 5/1) clayey SAND, subangular to angular medium Sand, little fine sand, lignite and muscovite flakes, little clay.
188										Gray (7.5YR 5/1) clayey SAND, fine sand, little clay, interbedded lignite laminae, reddish yellow (7.5YR 6/6) sand stringers, muscovite flakes.
190										
192										
194										
196										
198				0.0						
200										Light brown (7.5YR 6/4) to very pale brown (10YR 7/3) poorly graded SAND, angular to subangular medium Sand, several 1/4 inch bands of lignite, trace silt.
202								SP		
204					1.4	<0.5 U				
206										
208										
210								SP-SM		Dark grayish brown (10YR 4/2) poorly graded SAND with Silt, medium sand, little fine sand, trace coarse sand, few silt, iron concretion.
212										
214								SP		Dark grayish brown (10YR 4/2) poorly graded SAND, angular medium Sand, few fine sand, trace silt.
216										
218								SP-SM		Grayish brown (10YR 5/2) poorly graded SAND with Silt, subangular medium Sand, little fine sand, few silt.
220										
222								SP		
224										Pale brown (10YR 6/3) poorly graded SAND medium to coarse Sand, trace silt.
226										
228										
230				<0.5 U	<0.5 U			SP		Light yellowish brown (10YR 6/2) poorly graded SAND, subangular to angular medium Sand, little fine sand, few coarse sand, few silt, hematite nodules.
232										
234										
236										
238								SP		

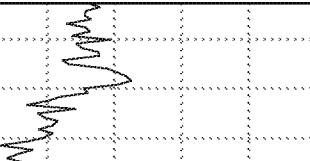
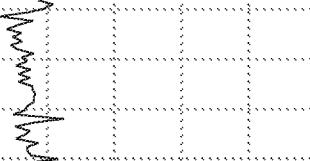
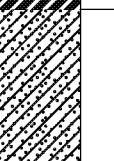
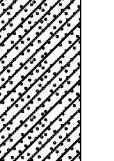
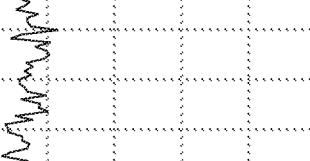
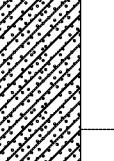
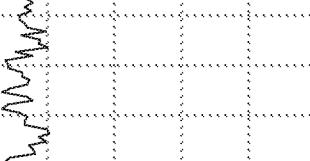
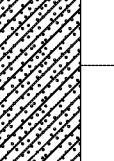
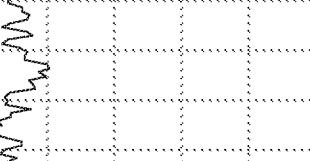
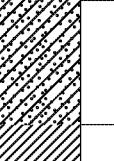
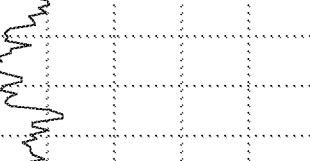
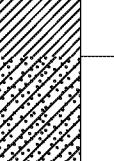
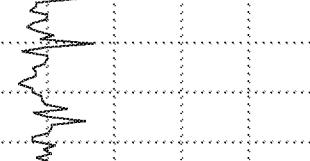
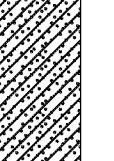
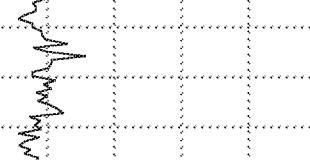
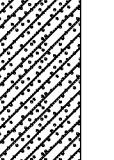
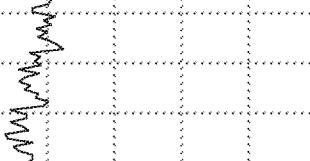
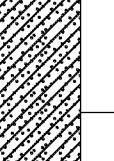
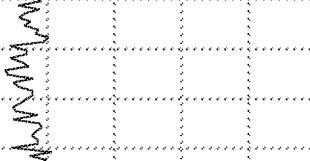
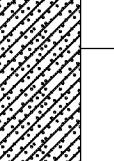
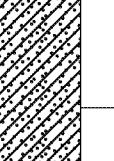
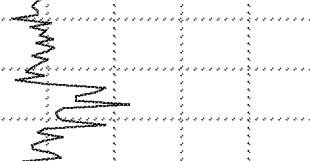
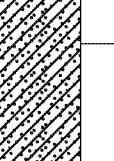
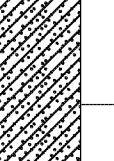
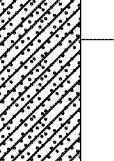
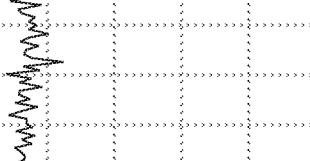
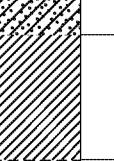
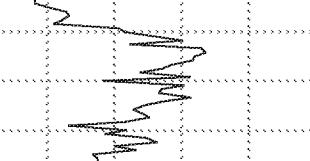
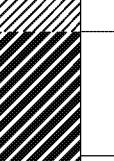
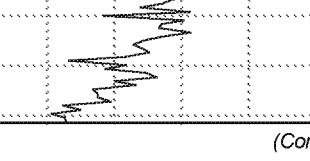
(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
30	30	60	90							
240				<0.5 U	<0.5 U		Magothy (100-953 ft bgs)	SP		Pale brown (10YR 6/3) poorly graded SAND, subangular medium Sand, few fine sand, several hematite nodules. <i>(continued)</i>
242										
244										
246										
248										
250										
252										
254										
256										
258										
260				5.8	<0.5 U					
262										
264										
266										
268										
270										
272										
274										
276										
278				0.0						
280										
282										
284				<0.5 U	<0.5 U					
286										
288										
290										
292										
294										
296										
298				<0.5 U	<0.5 U					
300										

(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
	30	60	90							
302							Magothy (100-953 ft bgs)	CL		Gray (10YR 5/1) sandy CLAY, angular medium Sand, few rounded coarse sand, lignite pieces, little clay. (continued)
304										Very dark gray (10YR 3/1) silty SAND, fine to rounded coarse Sand, little silt, numerous lignite fragments.
306										
308										
310										
312										
314										Very dark gray (10YR 3/1) silty SAND, fine to rounded coarse Sand, little silt, numerous lignite fragments.
316										
318				<0.5 U	<0.5 U					Very dark gray (10YR 3/1) widely graded SAND with Silt, fine to rounded coarse sand, few silt, lignite fragments.
320										
322										
324										Very dark gray (10YR 3/1) clayey SAND, angular medium Sand, little fine sand, lignite fragments, little clay.
326										
328										
330										Gray (10YR 5/1) sandy fat CLAY, fine Sand, lignite fragments, clay.
332										
334										
336										Gray (10YR 6/1) poorly graded SAND, fine Sand, trace silt. Drillers comment: change in drilling at 335 ft.
338				0.0						
340										
342										
344				<0.5 U	<0.5 U					Dark gray (10YR 4/1) fat CLAY; little fine to medium Sand, trace coarse sand, lignite fragments, trace coarse sand, clay.
346										
348										
350										Gray (10YR 5/1) poorly graded SAND with Silt, subangular medium sand, little fine sand, few silt, lignite flakes.
352										
354										Very dark gray (10YR 3/1) poorly graded SAND, fine to medium Sand, trace clay, lignite fragments.
356										
358										
360				<0.5 U	<0.5 U					Dark gray (10YR 4/1) clayey SAND, angular medium Sand, little fine sand, trace coarse sand, lignite fragments, some clay.
362										

(Continued Next Page)

DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION		
								30	60	90
364					Magothy (100-953 ft bgs)	CH		Dark gray (10YR 4/1) fat CLAY, little Sand.		
366						SC		Very dark gray (10YR 3/1) clayey SAND, fine to angular medium Sand, trace coarse sand, lignite fragments, some clay.		
368						SC		Very dark gray (10YR 3/1) clayey SAND, medium Sand, little fine sand, trace coarse sand, some clay.		
370						CL		Dark gray (10YR 4/1) sandy CLAY, fine Sand, lignite fragment; clay.		
372						SC		Very dark gray (10YR 3/1) clayey SAND, fine Sand, lignite fragments, little clay.		
374						SC		Gray (10YR 5/1) clayey SAND, fine to medium Sand, few subrounded coarse sand, lignite fragments, a few muscovite flakes, little silt.		
376						SC		Gray (10YR 5/1) clayey SAND, fine to medium Sand, lignite fragments, some clay.		
378						CL		Very dark gray (10YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, little clay.		
380						SC		Very dark gray (10YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, little clay.		
382						SC		Very dark gray (10YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, little clay.		
384						CL		Very dark gray (10YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, little clay.		
386						SC		Very dark gray (10YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, little clay.		
388						SC		Very dark gray (10YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, little clay.		
390						SC		Very dark gray (10YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, little clay.		
392						CL		Very dark gray (10YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, little clay.		
394						SC		Very dark gray (10YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, little clay.		
396						SC		Very dark gray (10YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, little clay.		
398						CL		Very dark gray (10YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, little clay.		
400						SC		Very dark gray (10YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, little clay.		
402						SC		Very dark gray (10YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, little clay.		
404						CL		Very dark gray (10YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, little clay.		
406						SC		Very dark gray (10YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, little clay.		
408						SC		Very dark gray (10YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, little clay.		
410						CL		Very dark gray (10YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, little clay.		
412						SC		Very dark gray (10YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, little clay.		
414						SC		Very dark gray (10YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, little clay.		
416						CL		Very dark gray (10YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, little clay.		
418		0.0				SC		Very dark gray (10YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, little clay.		
420						CH		Very dark gray (10YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, little clay.		
422						CH		Very dark gray (10YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, little clay.		
424								Dark gray (10YR 4/1) fat CLAY.		

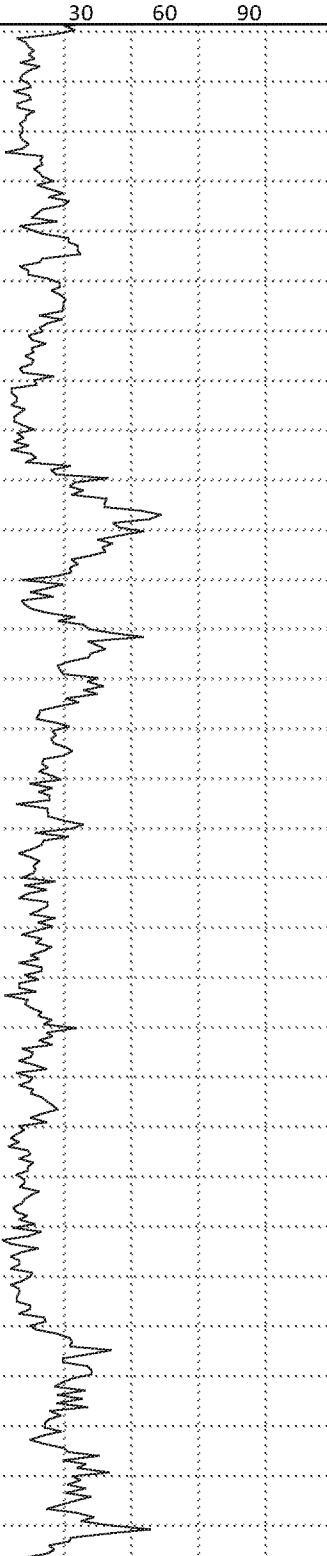
(Continued Next Page)

DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
30	30	60	90					
426				UJ	Magothy (100-953 ft bgs)	CH/SP		Dark gray (10YR 4/1) fat CLAY, interbedded with Sand stringers. <i>(continued)</i>
428								
430								
432								
434								
436								
438				<0.5 U				
440								
442								
444								
446								
448								
450								
452								
454								
456								
458								
460				<0.5 U				
462								
464								
466								
468								
470								
472								
474								
476								
478								
480				<0.5 U				
482								
484								
486								

(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
486	30	60	90							
488							Magothy (100-953 ft bgs)	SM		Very dark gray (10YR 3/1) silty SAND, fine Sand, few medium sand, trace coarse sand, lignite pieces.
490								SM		
492								SM		
494								SP		Very dark gray (10YR 3/1) silty SAND, fine Sand, few medium sand, trace rounded coarse sand, little silt, lignite fragments.
496								SC		
498								SP-SC		
500				<0.5 U	<0.5 U			SP-SC		Gray (10YR 5/1) clayey SAND, fine to medium Sand, some clay.
502								CL		
504								SW		Gray (10YR 5/1) clayey SAND, medium Sand, little fine sand, little clay.
506								SW		Very dark gray (Gley1 3/N) poorly graded SAND with Clay; medium sand, trace coarse sand, few clay; interbedded lignite seams.
508								SW		Gray fine to medium subangular SAND with medium fat Clay, few lignite, trace coarse sand.
510								SW		Dark gray (10YR 4/1) lean CLAY.
512								SW		
514								SW		
516								SW		
518				<0.5 U	<0.5 U			SW		Gray fine to coarse subangular SAND, few lignite, trace fat clay.
520								SW		
522								SW		
524								SW		
526								SW		
528								SW		
530								SW		
532								SW		
534								SW		
536								SW		
538								SW		
540				<0.5 U	<0.5 U			SW		Light gray fine to coarse subangular SAND, trace lignite, trace clay, trace pyrite.
542								SW		
544								SW		
546								SW		

(Continued Next Page)

DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
548					Magothy (100-953 ft bgs)			Light gray fine to coarse subangular SAND, trace lignite, trace clay, trace pyrite. (continued)
550								
552								
554								
556								
558								
560		<0.5 U	<0.5 U					
562								
564								
566								
568								Light gray (10YR 6/1) fine to medium SAND, some Clay, lignite.
570								
572								
574								
576								
578		<0.5 U	<0.5 U					Dark gray (10YR 4/1) medium to fine SAND, trace Clay, lignite.
580								
582								
584								
586								
588								
590								Dark gray (10YR 4/1) coarse to fine SAND, trace Clay, lignite.
592								
594								Dark gray coarse to fine SAND, some clayey Sand, lignite.
596								
598		<0.5 U	<0.5 U					Dark gray (10YR 4/1) coarse to fine SAND, lignite.
600								
602								
604								Dark gray coarse to fine SAND, trace white Clay nodules, gravel at 608.
606								
608								

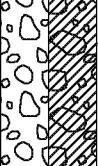
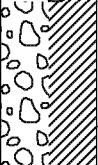
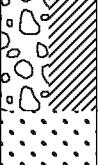
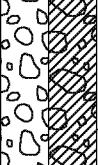
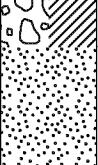
(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
610	30	60	90				Magothy (100-953 ft bgs)	SP-SC		Dark gray coarse to fine SAND, some dark gray sandy Clay, lignite. (continued)
612								SC		Dark grayish brown (10YR 4/2) clayey coarse to fine SAND.
614								SW		Gray (10YR 5/1) widely graded SAND, medium Sand, little coarse sand, few fine sand, trace silt.
616								SP/CL		Gray (7.5YR 5/1) poorly graded SAND, subangular to angular medium Sand, few coarse sand, interbedded white clay laminae.
618								SP		Gray (10YR 5/1) poorly graded SAND, medium Sand, few coarse sand.
620								SC		Gray (10YR 5/1) clayey SAND.
622								SW-SM		Gray (10YR 5/1) well graded SAND with Silt, fine to coarse sand, few silt.
624								SW-SM		Gray (10YR 5/1) poorly graded SAND with Silt, fine to medium sand, few silt.
626								SP		Gray (10YR 5/1) poorly graded SAND, medium grained Sand, little fine sand, trace silt, iron concretion.
628								SP/CL		Gray (10YR 5/1) poorly graded SAND, medium Sand, little coarse sand, one iron concretion; interbedded white clay stringer.
630								SP/CL		Very dark gray (10YR 3/1) medium SAND, few coarse Sand, interbedded white clay stringers.
632										
634										
636										
638										
640										
642										
644										
646										
648										
650										
652										
654										
656										
658										
660										
662										
664										
666										
668										
670										

(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
672	30	60	90				Magothy (100-953 ft bgs)	SP/CL		Very dark gray (10YR 3/1) medium SAND, few coarse Sand, interbedded white clay stringers. (continued)
674										
676										
678										
680					9.2	<0.5 U				Gray (10YR 6/1) poorly graded SAND, medium Sand, few coarse sand, iron concretion, trace silt, interbedded clay stringers.
682										
684										Yellowish brown (10YR 5/6) poorly graded SAND, subangular medium Sand, little fine sand, trace silt, forms sharp contact with light gray (10YR 7/2) and pinkish gray (7.5YR 7/2) clay.
686										Light gray (10YR 7/2) and pinkish gray (7.5YR 7/2) lean CLAY.
688										Light brownish gray (10YR 6/2) poorly graded SAND, medium Sand, few fine sand, few coarse sand.
690										
692										
694										Brown (7.5YR 5/2) poorly graded SAND, subangular medium Sand, few coarse sand, trace fine gravel, trace clay.
696										
698										Gray (10YR 6/1) and white (10YR 8/1) poorly graded GRAVEL, subrounded to subangular fine Gravel, some medium to coarse sand, few fine sand.
700					<0.5 U	<0.5 U				
702										
704										Gray (7.5YR 6/1) widely graded SAND, fine to coarse Sand, trace silt.
706										
708										
710										Light brown (7.5YR 6/4) and red (2.5YR 6/6) poorly graded SAND, subangular to angular medium Sand, trace fine gravel, interbedded red clay stringers.
712										
714										Light brown (7.5YR 6/4) poorly graded SAND, subangular to subrounded medium Sand, few coarse sand, interbedded red clay (2.5YR 6/6) laminae.
716										
718										Light gray (10YR 7/1) poorly graded SAND with clay.
720										
722										
724										Light gray (10YR 7/1) poorly graded SAND with Clay, medium grained sand, few clay.
726										
728										
730										White (10YR 8/1) and reddish brown (5YR 4/3) poorly graded GRAVEL, subangular fine Gravel, some subangular medium to coarse sand, few fine sand, interbedded reddish brown clay lens.
732										

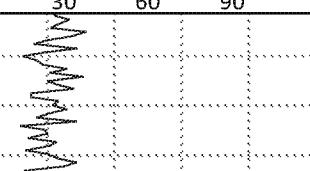
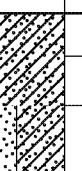
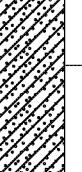
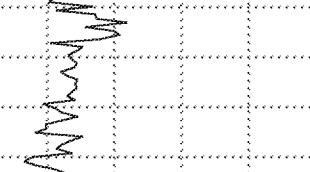
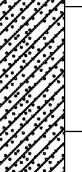
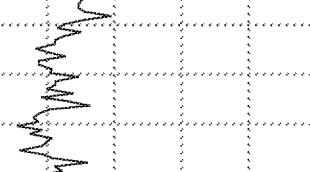
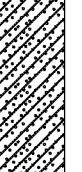
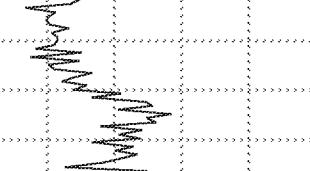
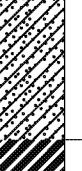
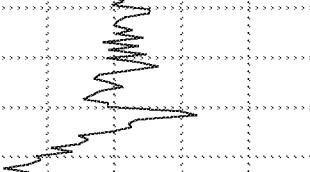
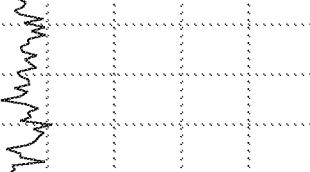
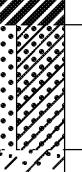
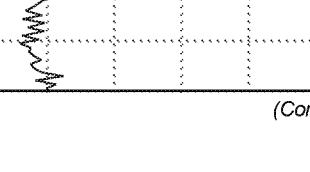
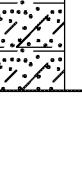
(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
734	30	60	90				Magothy (100-953 ft bgs)	GP/CL		White (10YR 8/1) and reddish brown (5YR 4/3) poorly graded GRAVEL, subangular to subrounded fine Gravel, few coarse gravel, little fine to coarse sand, interbedded lenses of white and red clay.
736								GP		White (10YR 8/1) and reddish brown (5YR 4/3) poorly graded GRAVEL, subangular to subrounded fine Gravel, little fine to coarse sand, trace clay.
738								GP-GC		White (10YR 8/1) and reddish brown (5YR 4/3) poorly graded GRAVEL with Clay, subrounded to subangular fine gravel, little medium to coarse sand, interbedded white clay stringers.
740				140	<0.5 U			GP-GC		White (10YR 8/1) and reddish brown (5YR 4/3) poorly graded GRAVEL, few Clay, subrounded to subangular fine gravel, little fine to coarse sand; interbedded white clay stringer.
742								GP/CL		Brown (7.5YR 5/4) poorly graded GRAVEL, fine Gravel, few coarse gravel, some fine to coarse sand; interbedded red clay lenses.
744								GP/CL		White (10YR 8/1) and light yellowish brown (10YR 6/4) poorly graded GRAVEL, subrounded to subangular fine Gravel, interbedded white clay lens.
746								SM		Gray (10YR 6/1) silty SAND, fine Sand, trace coarse sand, little silt.
748								GP-GC		Gray (10YR 6/1) and white (10YR 8/1) poorly graded GRAVEL with Clay, subrounded to subangular fine Gravel, little subangular medium to coarse sand, few fine sand, interbedded white and reddish brown clay stringers.
750								GP-GC		Light brown (7.5YR 6/3) poorly graded GRAVEL with Clay, subrounded to subangular fine gravel, little medium to coarse sand.
752								GP/CL		Brown (7.5YR 5/4) poorly graded GRAVEL; subangular fine Gravel, some subangular medium to coarse sand, few fine sand, interbedded white clay lenses.
754								SP		White (10YR 8/1) and reddish brown (5YR 4/3) poorly graded SAND with Gravel and Clay; subangular medium sand, little subangular fine gravel, few clay.
756								SW		
758										
760										
762										
764										
766										
768										
770										
772										
774										
776										
778										
780										
782										
784										
786										
788										
790										
792										
794										

(Continued Next Page)

DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
30	30	60	90					
796					Magothy (100-953 ft bgs)	SW		White (7.5YR 8/1) to pinkish gray (7.5YR 7/2) well graded SAND with Gravel, subangular medium to coarse sand, little fine sand; subrounded to subangular fine gravel; interbedded white clay stringers. (continued)
798								White (7.5YR 8/1) to pinkish gray (7.5YR 7/2) poorly graded GRAVEL, subrounded fine Gravel, little subangular medium to coarse sand, interbedded grayish white clay stringers. Drillers comment: clay at 801-802.
800			11	<0.5 U		GP/CL		Gray (10YR 5/1) sandy CLAY, red streaks of clay.
802						CL		Light brownish gray (10YR 5/2) well graded SAND with Silt, fine to coarse sand, trace subrounded fine gravel, few silt.
804						SW-SM		Light brown (7.5YR 6/3) poorly graded SAND, medium Sand, few coarse sand, few fine gravel, trace silt.
806								
808						SP		
810						SP		Light brown (7.5YR 6/3) poorly graded SAND, medium Sand, few fine and coarse sand, few subangular fine gravel, trace silt.
812						SP-SM		Light brown (7.5YR 6/3) poorly graded SAND with Silt, medium sand, few silt.
814						SC		Light brownish gray (10YR 6/2) clayey SAND, fine to medium Sand, little clay.
816						SP		
818			<1 U	<1 U		SC		Light brownish gray (10YR 6/2) poorly graded SAND, medium Sand, few fine and coarse sand, pyrite.
820						SP		Pale brown (10YR 6/3) clayey SAND, fine to medium Sand, few coarse sand, little clay.
822						SC		
824								Dark gray (10YR 4/1) clayey SAND, fine Sand, few medium sand, trace coarse sand, clay (30%), lignite fragments.
826								
828								
830								
832								
834								
836								
838			<0.5 U	<0.5 U				
840								
842								
844								
846								
848								
850								Gray (10YR 5/1) clayey SAND, fine Sand, few medium to coarse sand, clay (30%).
852								
854								Gray (10YR 5/1) clayey SAND, fine Sand, few coarse sand, little clay.
856								

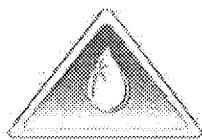
(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
	30	60	90							
858							Magothy (100-953 ft bgs)	SC		
860				<0.5 U	<0.5 U			SC		Gray (10YR 6/1) clayey SAND, fine Sand, trace coarse sand, little clay, muscovite flakes, pyrite.
862							SP-SC			Gray (10YR 6/1) poorly graded SAND with Clay.
864								SC		Grayish brown (10YR 5/2) clayey SAND.
866								SC		
868								SC		
870								SC		
872								SC		
874								SC		Grayish brown (10YR 5/2) clayey SAND, fine Sand, trace coarse sand.
876								SC		Grayish brown (10YR 5/2) clayey SAND, fine Sand, few medium sand, little clay.
878								SC		
880				<1 U	<1 U			SC		
882								SC		
884								SC		Gray (10YR 5/1) clayey SAND.
886								SC		
888								SC		
890								SC		
892								CH		
894								CH		
896								SW-SC		
898				0.0				SW		Very dark gray (10YR 3/1) fat CLAY; clay with lignite (1.5 in) layer.
900										
902										
904										
906										
908										
910				<0.5 U	<0.5 U					
912										
914										
916										
918										

(Continued Next Page)

DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
918	30 60 90							
920					Magothy (100-953 ft bgs)	SW		Gray (7.5YR 5/1) widely graded SAND, subangular fine to coarse Sand, few muscovite flakes, trace silt. (continued)
922						SW-SC		Gray (7.5YR 5/1) widely graded SAND with Clay.
924								
926						CH		Lignite (2.5 in) layer forms sharp contact with gray (7.5YR 5/1) fat CLAY.
928		0.0				CH		Dark gray (10YR 4/1) fat CLAY.
930		0.0				SM		Gray (10YR 5/1) silty SAND, very fine Sand, little silt.
932		0.0				CH		Gray (10YR 5/1) sandy fat CLAY, clay with little fine Sand, trace coarse sand.
934		0.0				CH		Gray (10YR 5/1) fat CLAY.
936		0.0				CH		Dark gray (10YR 4/1) fat CLAY, red clay stringers. Drillers comment: very difficult drilling.
938		0.0				CH		Dark gray (10YR 4/1) fat CLAY.
940		0.0				CH		Pinkish gray fat CLAY.
942								End of boring at 970.0 ft. bgs.
944								
946								
948								
950								
952								
954								
956								
958		0.0						
960		0.0						
962		0.0						
964		0.0						
966		0.0						
968		0.0						
970								

DOWN



COMPANY: DELTA WELL & PUMP CO., INC.

LOCATION: NWIRP LUDWIG LANE

Well: VPB-172

Depth Driller:

Depth Logger:

Date: 05-02-2019

Time:

Logged by: CMO

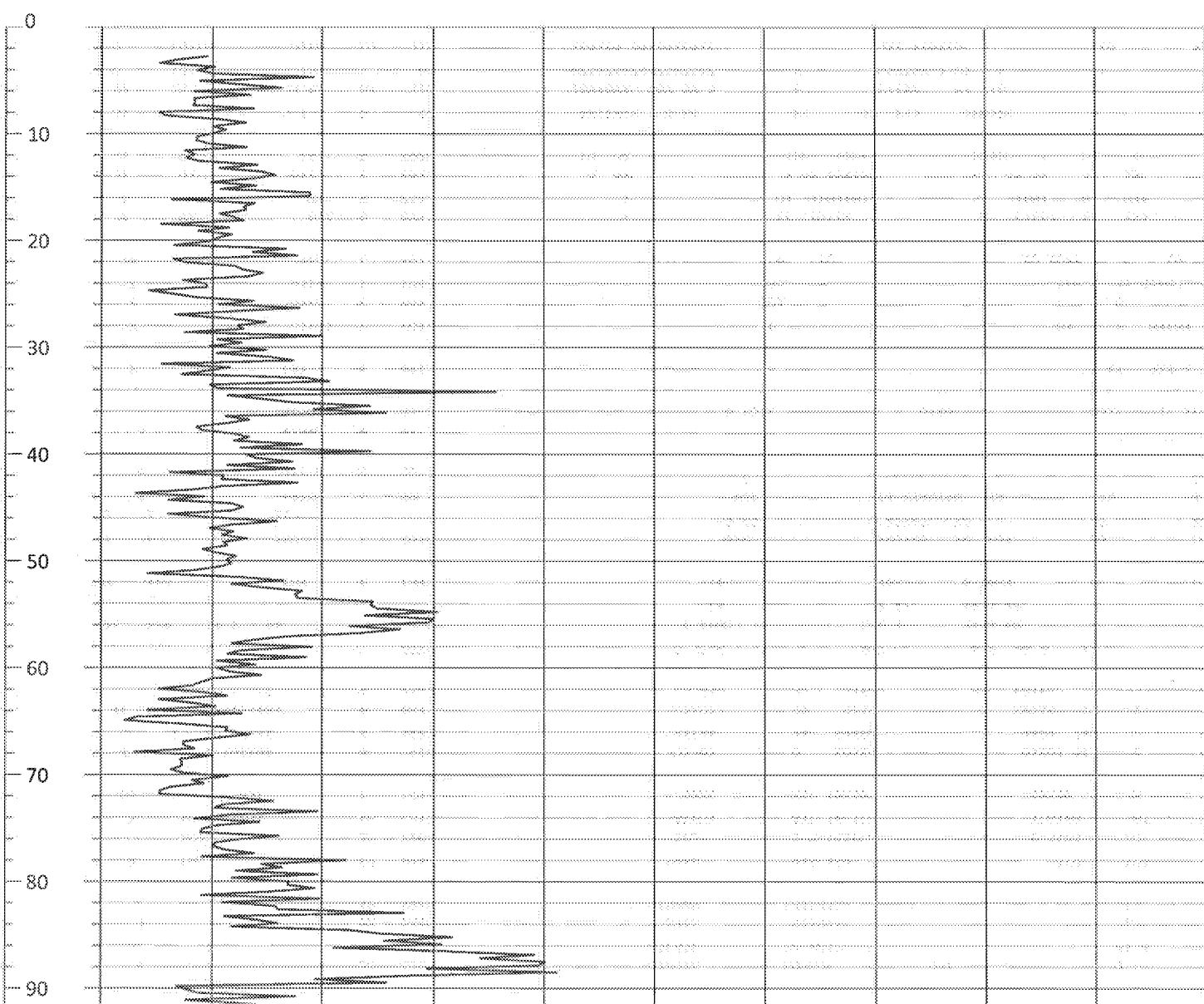
File Name: 739

Witness: VAL

Depth (ft.) 0.0

GAMMA
(cps)

100.0

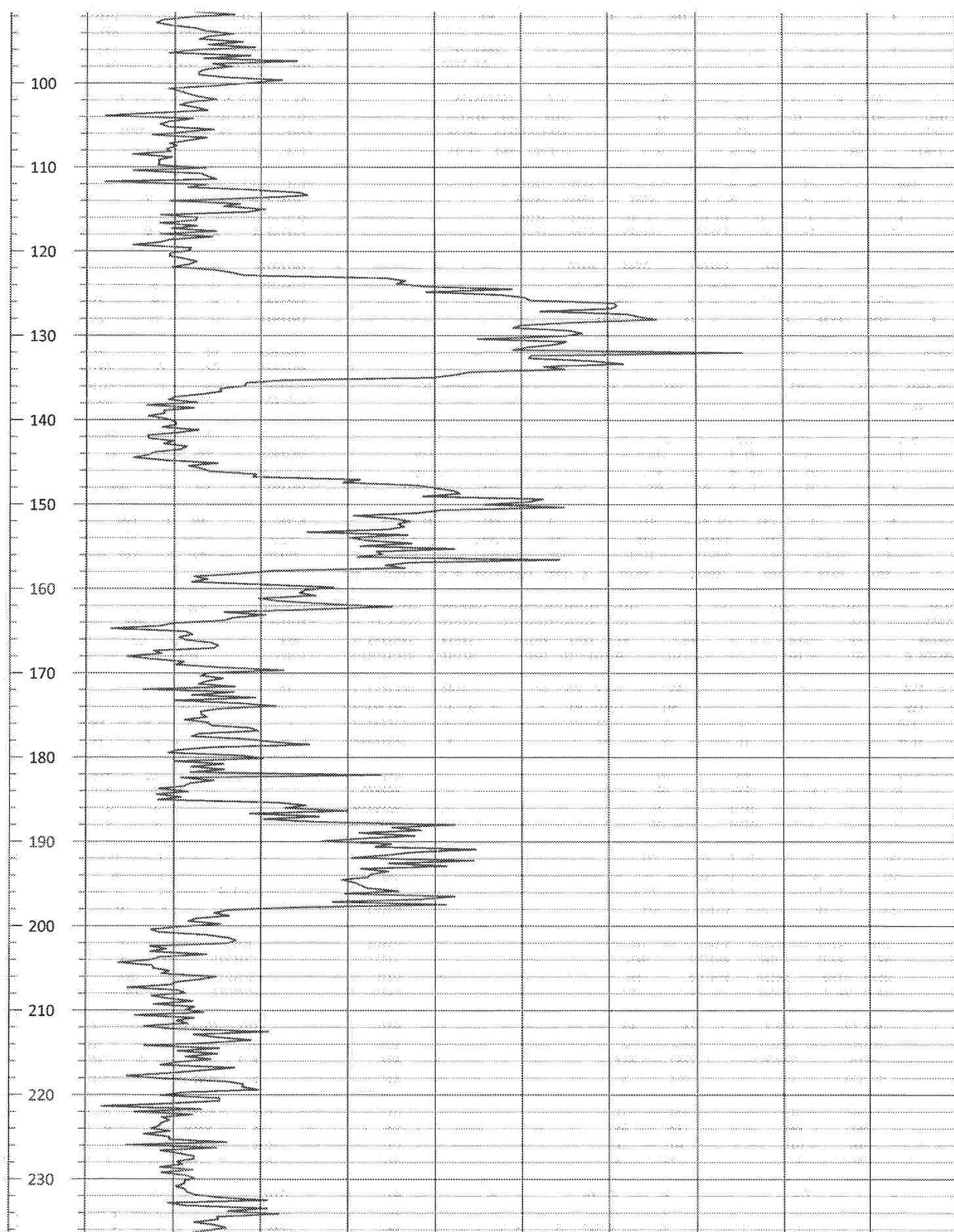


Depth (ft.)

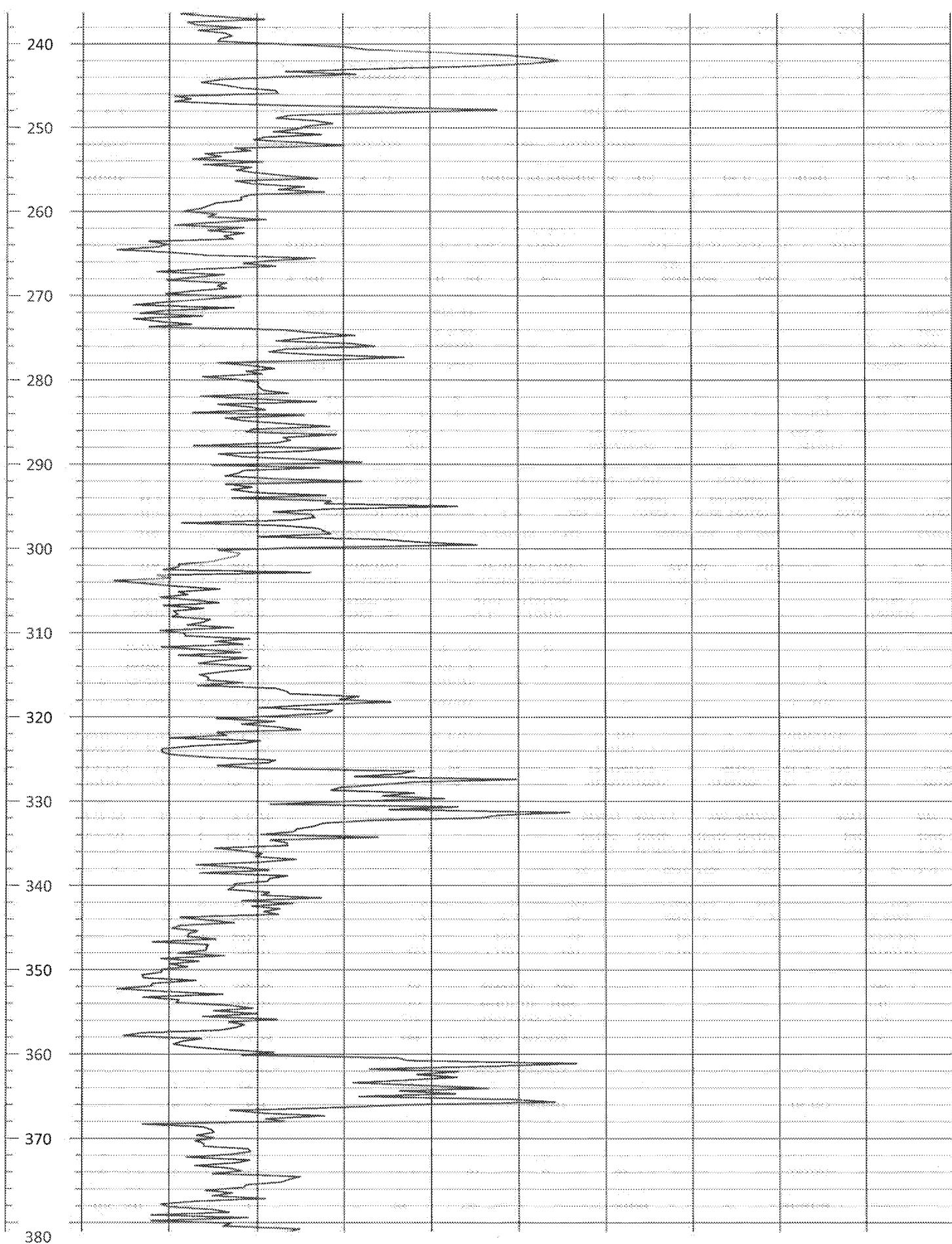
0.0

GAMMA
(cps)

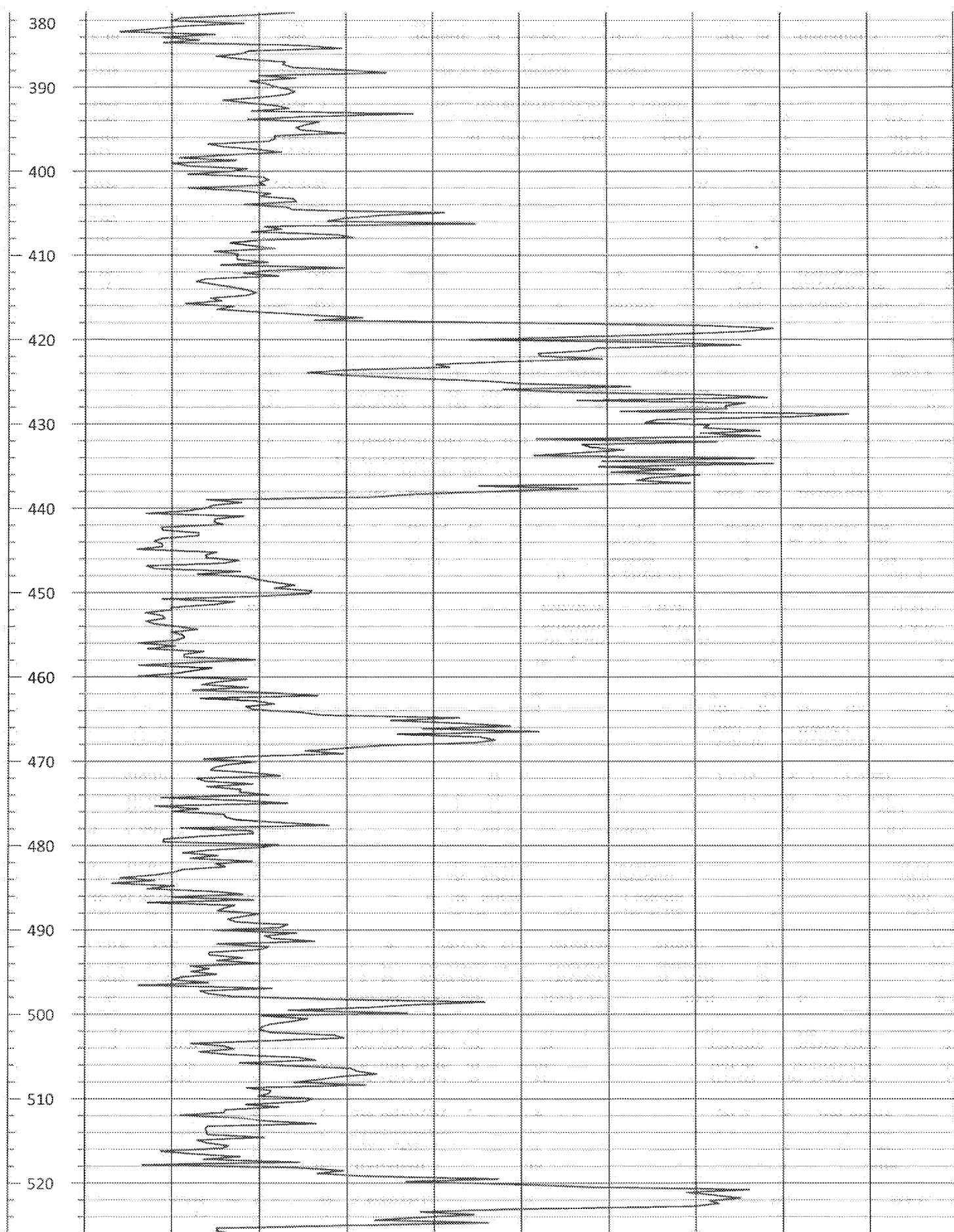
100.0



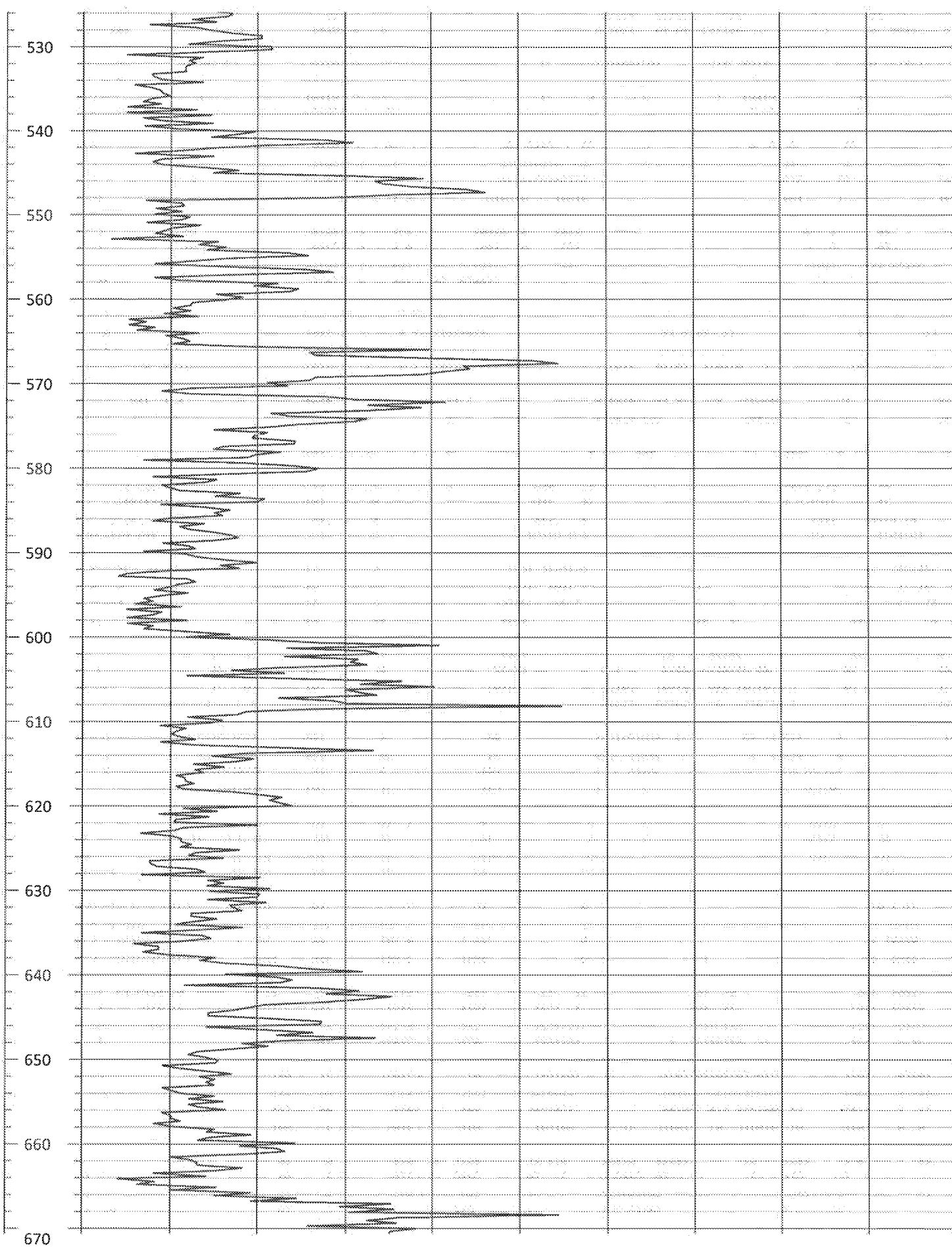
Depth (ft.)	0.0	GAMMA (cps)	100.0
-------------	-----	----------------	-------



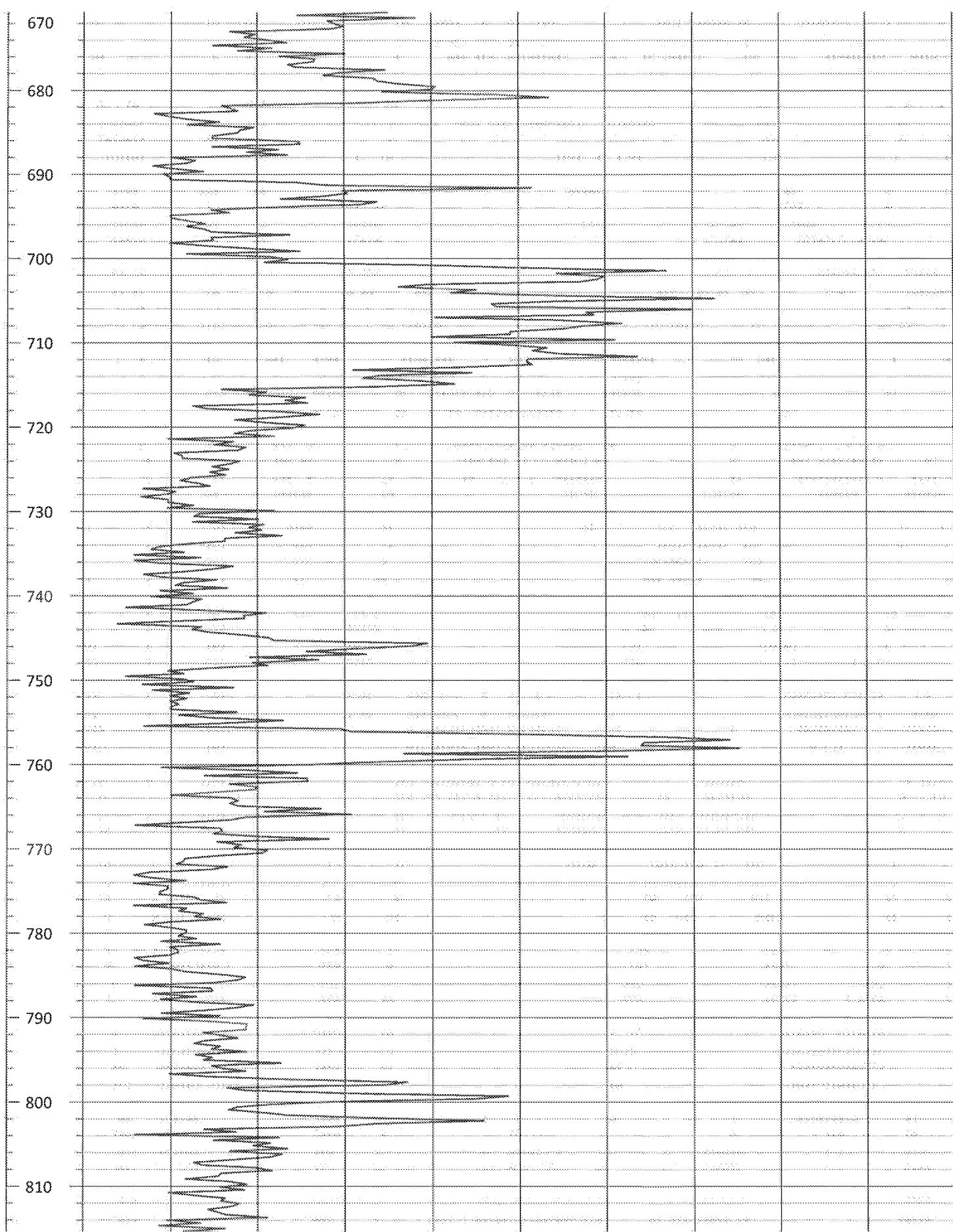
Depth (ft.)	0.0	GAMMA (cps)	100.0
-------------	-----	----------------	-------



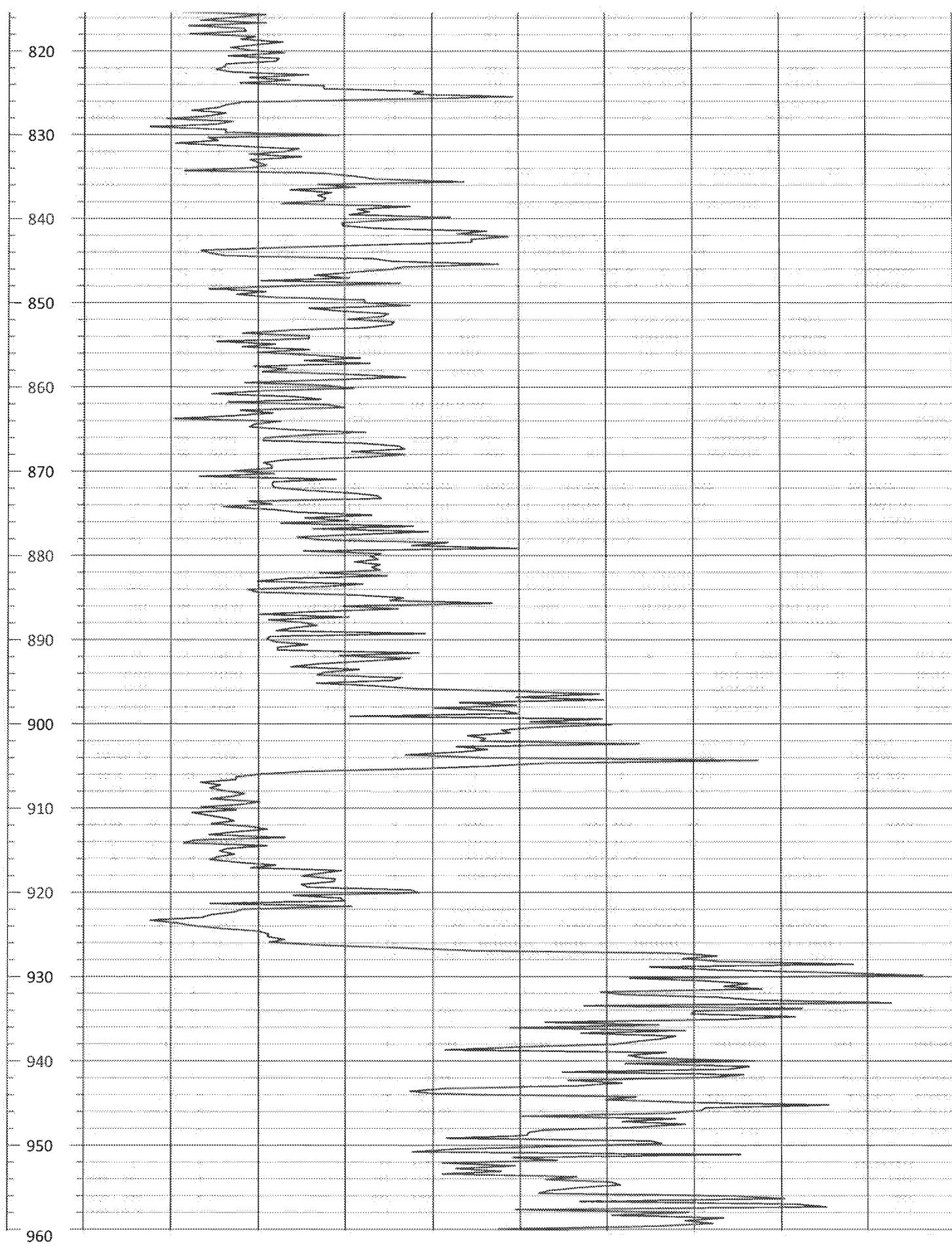
Depth (ft.)	0.0	GAMMA (cps)	100.0
-------------	-----	----------------	-------



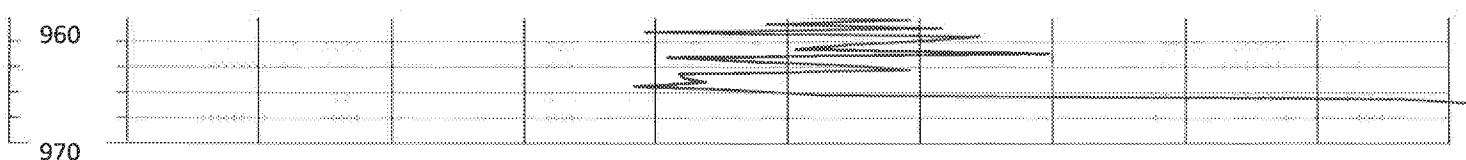
Depth (ft.)	0.0	GAMMA (cps)	100.0
-------------	-----	----------------	-------



Depth (ft.)	0.0	GAMMA (cps)	100.0
-------------	-----	----------------	-------



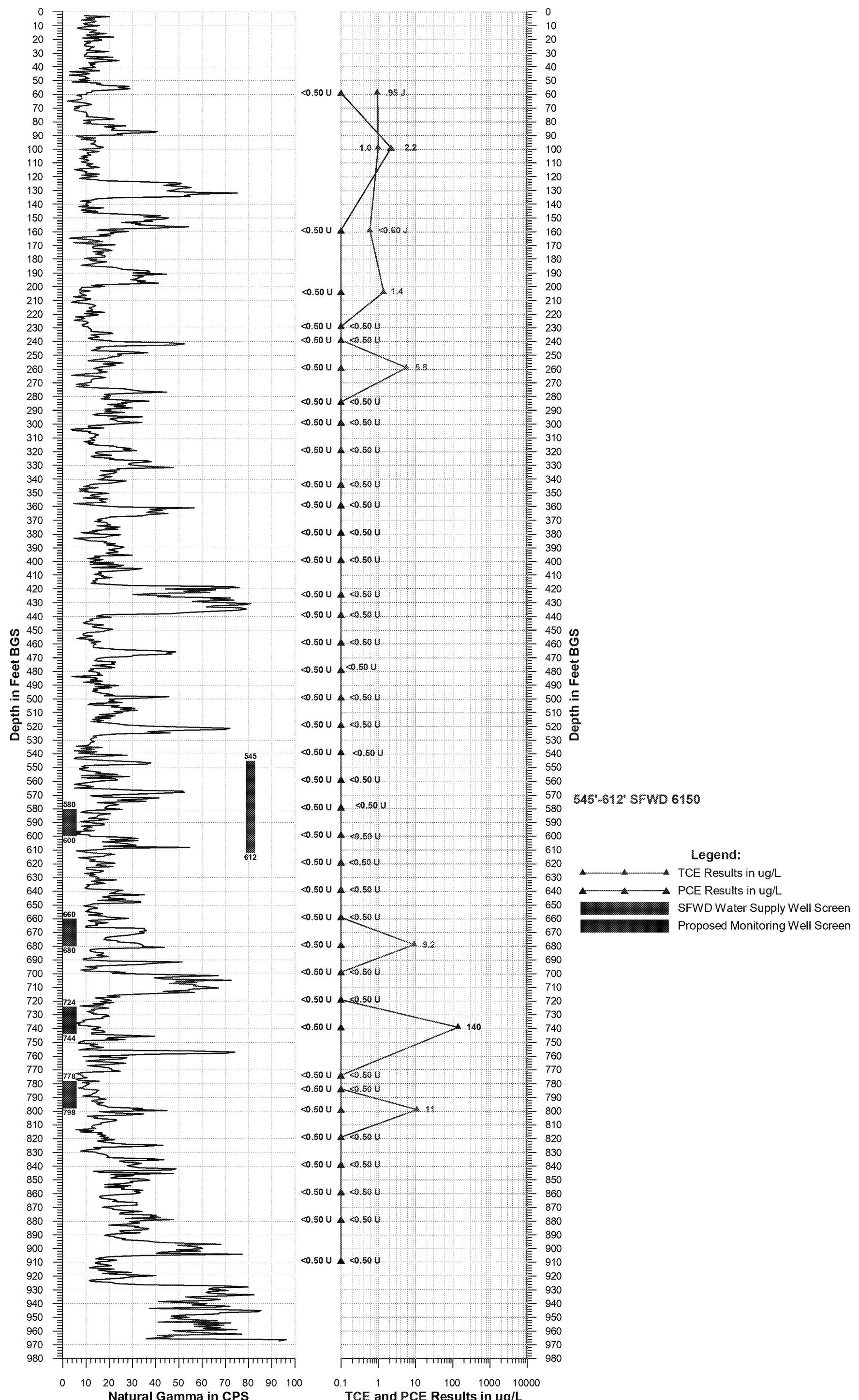
Depth (ft.)	0.0	GAMMA (cps)	100.0
-------------	-----	----------------	-------



Depth (ft.)	0.0	GAMMA (cps)	100.0
-------------	-----	----------------	-------

Section 2
VPB172 Gamma and PCE/TCE Plot

Vertical Profile Boring VPB-172
Downward Run - May 2, 2019
Preliminary Analytical Data



Section 3
VPB172 Groundwater Sample Log Sheets

HYDROPUNCH LOG: VPB172

#	VPB172	Project #60266526			Collector:	V.Thayer and M.Zobel				NWIRP Bethpage		Comments
	Sample date	Time	Temp (oC)	pH	Spec. Cond. (us/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Starting depth (ft)	Ending depth (ft)	Color	
1	4/1/2019	1030	11.2	6.89	498	2.5	-82.5	600.4	58	60	pale brown	
2	4/1/2019	1400	14.4	6.03	380.2	3.46	39.8	-233.6	98	100	pale yellowish brown	
3	4/3/2019	1000	14.6	6.84	-228.1	4.38	18.3	212	158	160	clear to pale yellow	
4	4/3/2019	1140	17.8	7.15	287.9	4.47	43.5	off scale	203	205	brown	
5	4/3/2019	1425			dry				218	220		no sample collected
6	4/4/2019	830			dry				223	225		no sample collected
7	4/4/2019	1100	14.5	6.72	102.3	11.52	229.9	464.4	228	230	clear yellowish brown	
8	4/4/2019	1300			not enough for field parameters				238	240	clear	
9	4/4/2019	1430	14.1	6.25	224.7	5.87	80.9	70.17	258	260	clear	
10	4/5/2019	1030	10.4	6.25	205.1	3.48	0.2	150.8	283	285	clear to pale gray	
11	4/5/2019	1230	12.2	6.44	208.6	3.37	-14.8	488.9	298	300	pale gray	
12	4/5/2019	1430	11.7	6.61	204.2	3.35	1.3	535.7	318	320	pale gray	
13	4/8/2019	1130	22.6	8.62	127.9	4.79	111.3	389.8	343	345	clear pale brown	
14	4/8/2019	1409	19.6	7.85	117	6.53	178	613.1	358	360	clear brown	
15	4/8/2019	1530	20.7	6.29	219.7	2.02	59.9	613.7	378	380	pale gray	
16	4/9/2019	1030	13	7.08	241.7	2.20	44.0	157.6	398	400		
17	4/9/2019	1300	12.3	6.30	99.8	3.78	102.7	off scale	423	425	black	
18	4/9/2019	1500	14.2	6.45	100.8	4.16	50.5	414	438	440	gray	
19	4/10/2019	1030	16.7	7.32	193.2	2.47	30.3	702.9	458	460		
20	4/10/2019	1230	21.3	6.29	104.2	1.49	23.1	169.1	478	480	light gray	
21	4/10/2019	1330	16.5	6.00	114.9	1.79	-50.0	233.6	498	500	gray	
22	4/12/2019	1345	23.2	6.44	137.5	no rdg	-121.4	off scale	518	520	gray	
23	4/15/2019	1020	17.3	6.32	122.9	8.67	-24.3	782.6	538	540	light brown	
24	4/15/2019	1220			not enough for field parameters				558	560		
25	4/16/2019	1100	13.5	7.47	111.7	5.58	5.7	>1000	578	580	very silty, light brown	
26	4/16/2019	1258			not enough for field parameters			>1000	598	600		
27	4/16/2019	1500	16.7	7.19	179.6	2.83	-18.5	>1000	618	620		
28	4/17/2019	1030	22.6	6.71	182.4	no rdg	143.2	off scale	638	640	yellowish brown	
29	4/17/2019	1245	23.6	6.8	116	4.79	-111.9	202.8	658	660	clear	
30	4/19/2019	1315	18.5	7.8	216.7	5.60	56.9	780.3	678	680	pale brown	
31	4/22/2019	1145	18	8.48	266.7	5.44	98.1	197	698	700	clear to very pale brown	
32	4/22/2019	1430	18.7	7.22	200.6	4.74	59.1	680.2	718	720	very pale reddish brown	
33	4/23/2019	1115	26.2	7.17	217	3.05	-55.5	168.2	738	740	pale reddish brown	
34	4/23/2019	1345			dry				758	760		no sample collected
35	4/23/2019	1545			dry				763	765		no sample collected
36	4/24/2019	1030							773	775	reddish brown	
37	4/24/2019	1300			not enough for field parameters				783	785	brown	
38	4/24/2019	1515	21.2	6.17	89.1	3.55	89.6	157.4	798	800	pale yellow, cloudy	
39	4/25/2019	1030			not enough for field parameters				818	820	reddish brown	
40	4/25/2019	1230	20.2	6.63	104.9	2.81	78.5	214.7	838	840	clear	
41	4/25/2019	1500	18	6.76	106.1	6.16	105.8	191.7	858	860	very clear pale yellow	
42	4/26/2019	1045	15.4	7.13	202.4	1.29	33.1	off scale	878	880	dark gray	
43	4/29/2019	1330			not enough for field parameters				908	910	clear	

Section 4

VPB172 Analytical Data Validation

- Analytical Data Sheets
- Chain of Custody Records
- Validation Letter and Table



DATA VALIDATION REPORT

Project: Regional Groundwater Investigation — NWIRP Bethpage

Laboratory: Katahdin Analytical

Sample Delivery Group: BETHPAGE VPB172

Analyses/Method: Volatile Organic Compounds (VOCs) by U.S. EPA SW-846 Method 8260C and Total Organic Carbon (TOC) by U.S. EPA SW-846 Method 9060A

Validation Level: Stage 3 Validation Electronic and Manual

Prepared by: Dana Miller/Resolution Consultants Completed on: 06/26/2019

SUMMARY

This report summarizes data review findings for the vertical profile boring (VPB) 172 (samples listed below) collected by Resolution Consultants from the Regional Groundwater Investigation — Naval Weapons Industrial Reserve Plant (NWIRP) Bethpage Site on 1 to 29 April 2019 in accordance with the following Uniform Federal Policy (UFP) Sampling and Analysis Plans:

- *Sampling and Analysis Plan, Bethpage, New York.* (Resolution Consultants April 2013).
- *UFP SAP Addendum, Installation of Vertical Profile Borings and Monitoring Wells, Operable Unit 2, NWIRP Bethpage, New York.* (Resolution Consultants November 2013).
- *UFP SAP Addendum, Inclusion of Additional Target Analytes for Volatile Organics Analyses, NWIRP Bethpage OU2, Bethpage, New York.* (Resolution Consultants August 2014).

Sample Identification	Matrix/Sample Type	Analysis
VPB172-TB-040119	Trip blank	8260C
VPB172-GW-040119-58-60	Groundwater	8260C
VPB172-GW-040119-98-100	Groundwater	8260C
VPB172-TB-040319	Trip blank	8260C
VPB172-GW-040319-158-160	Groundwater	8260C
VPB172-GW-040319-203-205	Groundwater	8260C
VPB172-GW-040419-228-230	Groundwater	8260C
VPB172-GW-040419-258-260	Groundwater	8260C
VPB172-GW-D-040419	Field duplicate	8260C
VPB172-GW-040419-238-240	Groundwater	8260C
VPB172-TB03-040519	Trip blank	8260C



RESOLUTION
CONSULTANTS

Data Validation Report — Sample Delivery Group BETHPAGE VPB172

Sample Identification	Matrix/Sample Type	Analysis
VPB172-GW-040519-283-285	Groundwater	8260C
VPB172-GW-040519-298-300	Groundwater	8260C
VPB172-GW-040519-318-320	Groundwater	8260C
VPB172-GW-040819-343-345	Groundwater	8260C
VPB172-GW-040819-358-360	Groundwater	8260C
VPB172-GW-040819-378-380	Groundwater	8260C
VPB172-TB04-040919	Trip blank	8260C
VPB172-GW-040919-398-400	Groundwater	8260C
VPB172-GW-040919-423-425	Groundwater	8260C
VPB172-GW-040919-438-440	Groundwater	8260C
VPB172-TB05-041019	Trip blank	8260C
VPB172-GW-041019-458-460	Groundwater	8260C
VPB172-GW-041019-498-500	Groundwater	8260C
VPB172-GW-041019-478-480	Groundwater	8260C
VPB172-TB06-041219	Trip blank	8260C
VPB172-GW-041219-518-520	Groundwater	8260C
VPB172-GW-041519-538-540	Groundwater	8260C
VPB172-GW-041519-558-560	Groundwater	8260C
VPB172-GW-578-580-041619	Groundwater	8260C
VPB172-GW-598-600-041619	Groundwater	8260C
VPB172-GW-618-620-041619	Groundwater	8260C
VPB172-TB07-041719	Trip blank	8260C
VPB172-FD-GW-041719	Field duplicate	8260C
VPB172-GW-041719-638-640	Groundwater	8260C
VPB172-GW-041719-658-660	Groundwater	8260C
VPB172-TB07-041919	Trip blank	8260C
VPB172-GW-041919-678-680	Groundwater	8260C
VPB172-SOIL-042219-683-685	Soil	9060A
VPB172-ERB-042219-683-685	Equipment blank	9060A
VPB172-TB08-042219	Trip blank	8260C
VPB172-GW-042219-698-700	Groundwater	8260C
VPB172-ERB-042219-698-700	Equipment blank	8260C
VPB172-GW-042219-718-720	Groundwater	8260C
VPB172-GW-042319-738-740	Groundwater	8260C
VPB172-GW-042419-773-775	Groundwater	8260C
VPB172-FB-042419	Field blank	8260C
VPB172-GW-042419-783-785	Groundwater	8260C
VPB172-GW-042419-798-800	Groundwater	8260C

Sample Identification	Matrix/Sample Type	Analysis
VPB172-TB09-042519	Trip blank	8260C
VPB172-GW-042519-818-820	Groundwater	8260C
VPB172-GW-042519-838-840	Groundwater	8260C
VPB172-ERB-042519-838-840	Equipment blank	8260C
VPB172-GW-042519-858-860	Groundwater	8260C
VPB172-GW-042619-878-880	Groundwater	8260C
VPB172-GW-042919-908-910	Groundwater	8260C

Note:

SIM = Selective Ion Monitoring

Data validation activities were conducted using the following guidance documents: *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods SW-846, specifically Method 8260C, Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry* (U.S. EPA 2006), *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods SW-846, specifically Method 9060A, National Functional Guidelines for Superfund Organic Methods Data Review* (U.S. EPA January 2017), *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (U.S. EPA January 2009), *Department of Defense (DoD) General Data Validation Guidelines* (DoD February 2018), and *DoD Quality Systems Manual for Environmental Laboratories*, Version 4.2 (DoD October 2010). In the absence of method-specific information, laboratory quality control (QC) limits, project-specific requirements, and/or professional judgment were used as appropriate.

REVIEW ELEMENTS

The data were evaluated based on the following parameters (where applicable to the method):

- ✓ Data completeness (chain-of-custody)/sample integrity
- ✓ Holding times and sample preservation
- ✓ Gas chromatography/Mass spectrometer performance checks
- ✗ Initial calibration /initial calibration verification /continuing calibration verification
- ✗ Laboratory blanks/field blanks/trip blanks
- ✗ Surrogate spike recovery
- ✓ Matrix spike and/or matrix spike duplicate result
- ✓ Laboratory control sample /laboratory control sample duplicate result
- ✗ Field duplicate
- ✓ Internal standard



- ✓ Sample results/reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. Acceptable data parameters for which all criteria were met, no qualification was performed, and/or non-conformance or other issues that were noted during validation but did not result in qualification of data are not discussed further. The symbol (X) indicates that a QC non-conformance resulted in the qualification of data. Any QC non-conformance that resulted in the qualification of data is discussed below.

RESULTS

Initial Calibration/Continuing Calibration Verification

Calibration data were reviewed for conformance with the QC acceptance criteria to ensure that:

- The ICAL percent relative standard deviation, correlation coefficient/coefficients of determination, and/or response factor method acceptance criteria were met
 - The ICV standard percent recovery acceptance criteria were met
 - The CCV method percent difference or percent drift and response factor acceptance criteria were met
 - The retention time method acceptance criteria were met

Data qualification to the analytes associated with the specific ICAL was as follows:

ICAL Linearity Non-conformance:

Criteria	Actions	
	Detected Results	Non-detected Results
%RSD >15% and quantitation based on mean response factor	J	UJ

Notes:

%RSD = Relative standard deviation
 \bar{J} = Estimated

UJ = Undetected and estimated

Data qualification to the analytes associated with the specific ICV was as follows:

ICV Recovery Non-conformance:

Criteria	Actions	
	Detected Results	Non-detected Results
Recovery > 120%	J	UJ
Recovery < 80%	J	UJ

RESOLUTION
CONSULTANTS

Data Validation Report — Sample Delivery Group BETHPAGE VPB172

Notes:

J = Estimated UJ = Undetected and estimated

Data qualification to the analytes associated with the specific CCV was as follows:

CCV Linearity Non-conformance:

Criteria	Actions	
	Detected Results	Non-detected Results
%Difference or %Drift > 20%	J	UJ

Notes:

J = Estimated UJ = Undetected and estimated

Laboratory Blanks/Field Blanks/Trip Blanks

Laboratory blanks, field blanks, and trip blanks were analyzed with samples to assess contamination imparted by sample preparation and/or analysis. All results associated with a particular blank were evaluated to determine whether there was an inherent variability in the data, or if a problem was an isolated occurrence that did not affect the data. Samples were flagged in accordance with *Functional Guidelines* (shown below) where detections were not believed to be site-related.

Blank Non-Conformance Chart:

Blank type	Blank result	Sample result	Action
		Not Detected	No Qualification
Method, Storage, Trip, Field, or Equipment	≤ LOQ	< LOQ	Report sample at LOQ and qualify as non-detect (U)
		≥ LOQ or ≥ 2x Blank Result for Methylene chloride, Acetone, and 2-Butanone	Use professional judgement
		< LOQ	Report sample at LOQ and qualify as non-detect (U)
	≥ LOQ	≥ LOD but < Blank Result	Report at sample result and qualify as non-detect (U) or reject the sample result as unusable (R)
		≥ LOQ and ≥ Blank Result or 2x Blank Result for Methylene chloride, Acetone, and 2-Butanone	Use professional judgement
	Gross Contamination	Detect	Report at sample result and qualify as unusable (R)

Notes:LOQ = Limit of quantitation U = Undetected
R = Rejected

Surrogate Spike Recovery

Surrogates provide information needed to assess the accuracy of analyses. Known amounts of surrogate compounds, which are not likely to be found in the actual samples, are added to each organic sample to check for accuracy. If surrogate percent recoveries (%Rs) are close to the known concentrations, the reported target compound concentrations are assumed to be accurate. Data qualification based on surrogate recovery was as follows:

Surrogate Spike Recovery Non-Conformance Chart:

Criteria	Action	
	Detected	Non-Detected
Lower Limit ≤ %R or RPD ≤ Upper Limit	No qualification	No qualification
% R > Upper Limit	J	No qualification
20% <%R < Lower Limit	J	UJ
% R < 20%	J	Rejected

Notes:

%R = Percent recovery RPD = Relative percent difference
 J = Estimated value UJ = Undetected and estimated

Field Duplicate

Two field duplicate pairs were collected to assess precision: VPB172-GW-040419-238-240/VPB172-GW-D-040419 and VPB172-GW-041719-638-640/VPB172-FD-GW-041719. Field duplicate RPDs were reviewed for conformance with the Resolution Consultants QC criteria of $\leq 30\%$ for aqueous matrices and $\leq 50\%$ for solids. These criteria apply if both results were greater than two times the limit of quantitation (LOQ). Data qualification to the analytes associated with the specific field duplicate RPDs was as follows:

Field Duplicate Non-conformances Chart:

Criteria	RPD	Action	
		Detected	Non-detected
Sample and duplicate are not detected results	NC	No qualification	No qualification
Sample and duplicate results $\geq 2 \times$ LOQ	>30 (aqueous) >50 (solid)	J	Not Applicable
If sample or duplicate result is $>2 \times$ LOQ and the other is not detected	NC	J	UJ
If sample or duplicate result is $<2 \times$ LOQ and the other is not detected	NC	No qualification	No qualification

Qualifications Actions

The data were reviewed independently from the laboratory to assess data quality. All compounds detected at concentrations less than the limit of quantitation but greater than the method detection limit were qualified by the laboratory as estimated (J). This "J" qualifier was retained during data validation. Any sample that was analyzed at a dilution because of high concentrations of target or non-target analytes was checked to confirm that the results and/or sample-specific limit of quantitation and limit of detections were adjusted accordingly by the laboratory.

No results were rejected; therefore, analytical completeness was calculated to be 100 percent. Data not qualified during data review are considered usable by the project. The remaining results qualified as estimated may be high or low, but the data are usable for their intended purpose, according to U.S. EPA and Department of Defense guidelines. Final data review qualifiers used to describe results and how they should be interpreted by the end data user are provided in Attachment A and Attachment B. Attachment C provides final results after data review.

ATTACHMENTS

Attachment A: Qualifier Codes and Explanations

Attachment B: Reason Codes and Explanations

Attachment C: Final Results after Data Review

Attachment A
Qualifier Codes and Explanations

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual quantitation limit necessary to accurately and precisely measure the analyte in the sample.
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

Attachment B
Reason Codes and Explanations

Reason Code	Explanation
be	Equipment blank contamination
bf	Field blank contamination
bl	Laboratory blank contamination
bm	Missing blank information
bt	Trip blank contamination
c	Calibration issue
cr	Chromatographic resolution
d	Reporting limit raised due to chromatographic interference
dt	Dissolved result > total over limit
e	Ether interference
ej	Above calibration range; result estimated.
f	Presumed contamination from FB or ER.
fd	Field duplicate RPDs
h	Holding times
hs	Headspace greater than 6mm in all sample vials
i	Internal standard areas
ii	Injection internal standard area or retention time exceedance
it	Instrument tune
k	Estimated maximum possible concentrations (EMPC)
l	LCS recoveries
lc	Labeled compound recovery
ld	Laboratory duplicate RPDs
lp	Laboratory control sample/laboratory control sample duplicate RPDs
m	Matrix spike recovery
mc	Deviation from the method
md	MS/MSD RPDs
nb	Negative laboratory blank contamination
p	Chemical preservation issue
p-h	Uncertainty near detection limit (< Reporting Limit), historical reason code applied.
pe	Post Extraction Spike
q	Quantitation issue
r	Dual column RPD
rt	SIM ions not within + 2 seconds
s	Surrogate recovery
sp	Sample preparation issue
su	Evidence of ion suppression
t	Temperature Preservation Issue
x	Low % solids
y	Serial dilution results
z	ICS results

Attachment C
Final Results after Data Review

VPB 172 Final Results after Data Review NWIRP Bethpage OU 2 Regional Groundwater Investigation							
Sample Delivery Group		SM3879		SM3879			
Lab Identification		SM3879-3		SM3879-4			
Sample Identification		VPB172-SOIL-042219-683-685		VPB172-ERB-042219-683-685			
Sample Date		4/22/2019		4/22/2019			
Sample Type		Soil		Equipment Blank			
Method	Analyte	CAS No	Units	Result	Qual	RC	Result
3540C	TOTAL SOLIDS	-29	PCT	84			NA
9060A	TOTAL ORGANIC CARBON	-28	MG_L	NA			0.32
9060A	TOTAL ORGANIC CARBON	-28	UG_G	900			NA

Notes:

UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group						
		Lab Identification			SM3156			
		Sample Identification			SM3156-1			
		Sample Date			VPB172-TB-040119			
			4/1/2019					
			Trip Blank					
CAS No	Units	Result	Qual	RC				
71-55-6	UG_L	0.5	U					
79-34-5	UG_L	0.5	U					
76-13-1	UG_L	0.5	U					
79-00-5	UG_L	0.5	U					
75-34-3	UG_L	0.5	U					
75-35-4	UG_L	0.5	U					
120-82-1	UG_L	0.5	U					
96-12-8	UG_L	0.75	U					
106-93-4	UG_L	0.5	U					
95-50-1	UG_L	0.5	U					
107-06-2	UG_L	0.5	U					
540-59-0	UG_L	1	U					
78-87-5	UG_L	0.5	U					
541-73-1	UG_L	0.5	U					
106-46-7	UG_L	0.5	U					
78-93-3	UG_L	2.5	U					
591-78-6	UG_L	2.5	U					
108-10-1	UG_L	2.5	U					
67-64-1	UG_L	2.5	U					
71-43-2	UG_L	0.5	U					
75-27-4	UG_L	0.5	U					
75-25-2	UG_L	0.5	U					
74-83-9	UG_L	1	U					
75-15-0	UG_L	0.5	U					
56-23-5	UG_L	0.5	U					
108-90-7	UG_L	0.5	U					
75-00-3	UG_L	1	U					
67-66-3	UG_L	0.5	U					
74-87-3	UG_L	1	U					
156-59-2	UG_L	0.5	U					
10061-01-5	UG_L	0.5	U					
110-82-7	UG_L	0.5	U					
124-48-1	UG_L	0.5	U					
75-71-8	UG_L	1	U					
100-41-4	UG_L	0.5	U					
98-82-8	UG_L	0.5	U					
108-38-3/106-42	UG_L	1	U					
79-20-9	UG_L	0.75	U					
108-87-2	UG_L	0.5	U					
1634-04-4	UG_L	0.5	U					
75-09-2	UG_L	2.5	U					
95-47-6	UG_L	0.5	U					
100-42-5	UG_L	0.5	U					
127-18-4	UG_L	0.5	U					
108-88-3	UG_L	0.5	U					
156-60-5	UG_L	0.5	U					
10061-02-6	UG_L	0.5	U					
79-01-6	UG_L	0.5	U					
75-69-4	UG_L	1	U					
75-01-4	UG_L	1	U					
1330-20-7	UG_L	1.5	U					

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3156		
		Lab Identification			SM3156-2		
		Sample Identification			VPB172-GW-040119-58-60		
		Sample Date	4/1/2019	Sample Type	Groundwater		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	3.1	J		
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	U		
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U		
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U		
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.95	J		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U		
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U		
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3156		
		Lab Identification			SM3156-3		
		Sample Identification			VPB172-GW-040119-98-100		
		Sample Date	Result	Qual	RC	4/1/2019	Groundwater
Sample Type							
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	3	J		
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	U		
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U		
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U		
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2.2			
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	1			
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U		
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U		
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SM3298		
		Lab Identification		SM3298-1		
		Sample Identification		VPB172-TB-040319		
		Sample Date		4/3/2019		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	c
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3298		
		Lab Identification			SM3298-2		
		Sample Identification			VPB172-GW-040319-158-160		
		Sample Date			4/3/2019		
		Sample Type			Groundwater		
CAS No	Units	Result	Qual	RC			
8260C 1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U			
8260C 1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U			
8260C 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U			
8260C 1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U			
8260C 1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U			
8260C 1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U			
8260C 1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U			
8260C 1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U			
8260C 1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U			
8260C 1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U			
8260C 1,2-DICHLOROETHANE	107-06-2	UG_L	0.22	J			
8260C 1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U			
8260C 1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U			
8260C 1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U			
8260C 1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U			
8260C 2-BUTANONE	78-93-3	UG_L	2.5	U			
8260C 2-HEXANONE	591-78-6	UG_L	2.5	U			
8260C 4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U			
8260C ACETONE	67-64-1	UG_L	3.7	J			
8260C BENZENE	71-43-2	UG_L	0.5	U			
8260C BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U			
8260C BROMOFORM	75-25-2	UG_L	0.5	U			
8260C BROMOMETHANE	74-83-9	UG_L	1	U			
8260C CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	c		
8260C CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U			
8260C CHLOROBENZENE	108-90-7	UG_L	0.5	U			
8260C CHLOROETHANE	75-00-3	UG_L	1	U			
8260C CHLOROFORM	67-66-3	UG_L	0.5	U			
8260C CHLOROMETHANE	74-87-3	UG_L	1	U			
8260C CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U			
8260C CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U			
8260C CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	c		
8260C DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U			
8260C DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U			
8260C ETHYLBENZENE	100-41-4	UG_L	0.5	U			
8260C ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U			
8260C M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U			
8260C METHYL ACETATE	79-20-9	UG_L	0.75	U			
8260C METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U			
8260C METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U			
8260C METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U			
8260C O-XYLENE	95-47-6	UG_L	0.5	U			
8260C STYRENE	100-42-5	UG_L	0.5	U			
8260C TETRACHLOROETHENE	127-18-4	UG_L	0.5	U			
8260C TOLUENE	108-88-3	UG_L	0.5	U			
8260C TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U			
8260C TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U			
8260C TRICHLOROETHENE	79-01-6	UG_L	0.6	J			
8260C TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c		
8260C VINYL CHLORIDE	75-01-4	UG_L	1	U			
8260C XYLENES, TOTAL	1330-20-7	UG_L	1.5	U			

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group					
		Lab Identification			SM3298		
		Sample Identification			SM3298-3		
		Sample Date			VPB172-GW-040319-203-205		
			4/3/2019			Groundwater	
Method	Analyte	CAS No	Units	Result	Qual	RC	
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	4.7	J		
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	U		
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	c	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	c	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	1.4			
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U		
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group					
		Lab Identification			SM3298		
		Sample Identification			SM3298-4		
		Sample Date			VPB172-GW-040419-228-230		
			4/4/2019			Groundwater	
Method	Analyte	CAS No	Units	Result	Qual	RC	
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	2.5	U		
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.33	J		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	U		
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	bl,c	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	c	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.48	J		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U		
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3298		
		Lab Identification			SM3298-5		
		Sample Identification			VPB172-GW-040419-258-260		
		Sample Date			4/4/2019		
Sample Type		Sample Type			Groundwater		
CAS No	Units	Result	Qual	RC			
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.48	J		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	2.9			
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.5			
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.81	J		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.28	J		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.64	J		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	2.5	U		
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	U		
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	c	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.64	J		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	c	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	0.6	J		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	5.8			
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U		
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SM3298		
		Lab Identification		SM3298-6		
		Sample Identification		VPB172-GW-D-040419		
		Sample Date		4/4/2019		
		Sample Type		Field Duplicate		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	3.6	J	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	bl,c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	c
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.42	J	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group					
		Lab Identification			SM3298		
		Sample Identification			SM3298-7		
		Sample Date			VPB172-GW-040419-238-240		
			4/4/2019			Groundwater	
Method	Analyte	CAS No	Units	Result	Qual	RC	
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.21	J	fd	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	3.8	J		
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	U		
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	bl,c	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	c	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.42	J		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U		
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3388		
		Lab Identification			SM3388-1		
		Sample Identification			VPB172-TB03-040519		
		Sample Date			4/5/2019		
		Sample Type			Trip Blank		
CAS No	Units	Result	Qual	RC			
8260C 1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U			
8260C 1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U			
8260C 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U			
8260C 1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U			
8260C 1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U			
8260C 1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U			
8260C 1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U			
8260C 1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U			
8260C 1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U			
8260C 1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U			
8260C 1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U			
8260C 1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U			
8260C 1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U			
8260C 1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U			
8260C 1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U			
8260C 2-BUTANONE	78-93-3	UG_L	2.5	U			
8260C 2-HEXANONE	591-78-6	UG_L	2.5	U			
8260C 4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U			
8260C ACETONE	67-64-1	UG_L	2.5	U			
8260C BENZENE	71-43-2	UG_L	0.5	U			
8260C BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U			
8260C BROMOFORM	75-25-2	UG_L	0.5	U			
8260C BROMOMETHANE	74-83-9	UG_L	1	U			
8260C CARBON DISULFIDE	75-15-0	UG_L	0.5	U			
8260C CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U			
8260C CHLOROBENZENE	108-90-7	UG_L	0.5	U			
8260C CHLOROETHANE	75-00-3	UG_L	1	U			
8260C CHLOROFORM	67-66-3	UG_L	0.5	U			
8260C CHLOROMETHANE	74-87-3	UG_L	1	U			
8260C CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U			
8260C CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U			
8260C CYCLOHEXANE	110-82-7	UG_L	0.5	U			
8260C DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U			
8260C DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U			
8260C ETHYLBENZENE	100-41-4	UG_L	0.5	U			
8260C ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U			
8260C M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U			
8260C METHYL ACETATE	79-20-9	UG_L	0.75	U			
8260C METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U			
8260C METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U			
8260C METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U			
8260C O-XYLENE	95-47-6	UG_L	0.5	U			
8260C STYRENE	100-42-5	UG_L	0.5	U			
8260C TETRACHLOROETHENE	127-18-4	UG_L	0.5	U			
8260C TOLUENE	108-88-3	UG_L	0.5	U			
8260C TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U			
8260C TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U			
8260C TRICHLOROETHENE	79-01-6	UG_L	0.5	U			
8260C TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U			
8260C VINYL CHLORIDE	75-01-4	UG_L	1	U			
8260C XYLENES, TOTAL	1330-20-7	UG_L	1.5	U			

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3388		
		Lab Identification			SM3388-2		
		Sample Identification			VPB172-GW-040519-283-285		
		Sample Date	4/5/2019	Sample Type	Groundwater		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	4.6	J		
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	U		
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U		
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U		
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U		
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U		
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group					
		Lab Identification			SM3388		
		Sample Identification			SM3388-3		
		Sample Date			VPB172-GW-040519-298-300		
			4/5/2019			Groundwater	
Method	Analyte	CAS No	Units	Result	Qual	RC	
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	3.1	J		
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	U		
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U		
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U		
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U		
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U		
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3388		
		Lab Identification			SM3388-4		
		Sample Identification			VPB172-GW-040519-318-320		
		Sample Date	4/5/2019	Sample Type	Groundwater		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	2.7	J		
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	U		
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U		
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U		
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U		
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U		
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3388		
		Lab Identification			SM3388-5		
		Sample Identification			VPB172-GW-040819-343-345		
		Sample Date	4/8/2019	Sample Type	Groundwater		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	2.5	U		
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	U		
8260C	CARBON DISULFIDE	75-15-0	UG_L	3.3			
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U		
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.61	J		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U		
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U		
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3388		
		Lab Identification			SM3388-6		
		Sample Identification			VPB172-GW-040819-358-360		
		Sample Date	4/8/2019	Sample Type	Groundwater		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	3.5	J		
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	U		
8260C	CARBON DISULFIDE	75-15-0	UG_L	1.6			
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U		
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.6	J		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U		
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U		
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3388		
		Lab Identification			SM3388-7		
		Sample Identification			VPB172-GW-040819-378-380		
		Sample Date	4/8/2019	Sample Type	Groundwater		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	3.1	J		
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	U		
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U		
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U		
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U		
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U		
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group						
		Lab Identification			SM3445			
		Sample Identification			SM3445-1			
		Sample Date			VPB172-TB04-040919			
			4/9/2019					
			Trip Blank					
CAS No	Units	Result	Qual	RC				
71-55-6	UG_L	0.5	U					
79-34-5	UG_L	0.5	U					
76-13-1	UG_L	0.5	U					
79-00-5	UG_L	0.5	U					
75-34-3	UG_L	0.5	U					
75-35-4	UG_L	0.5	U					
120-82-1	UG_L	0.5	U					
96-12-8	UG_L	0.75	U					
106-93-4	UG_L	0.5	U					
95-50-1	UG_L	0.5	U					
107-06-2	UG_L	0.5	U					
540-59-0	UG_L	1	U					
78-87-5	UG_L	0.5	U					
541-73-1	UG_L	0.5	U					
106-46-7	UG_L	0.5	U					
78-93-3	UG_L	2.5	U					
591-78-6	UG_L	2.5	U					
108-10-1	UG_L	2.5	U					
67-64-1	UG_L	2.5	UJ	c				
71-43-2	UG_L	0.5	U					
75-27-4	UG_L	0.5	U					
75-25-2	UG_L	0.5	U					
74-83-9	UG_L	1	U					
75-15-0	UG_L	0.5	U					
56-23-5	UG_L	0.5	U					
108-90-7	UG_L	0.5	U					
75-00-3	UG_L	1	U					
67-66-3	UG_L	0.5	U					
74-87-3	UG_L	1	U					
156-59-2	UG_L	0.5	U					
10061-01-5	UG_L	0.5	U					
110-82-7	UG_L	0.5	UJ	c				
124-48-1	UG_L	0.5	U					
75-71-8	UG_L	1	U					
100-41-4	UG_L	0.5	U					
98-82-8	UG_L	0.5	U					
108-38-3/106-42	UG_L	1	U					
79-20-9	UG_L	0.75	U					
108-87-2	UG_L	0.5	U					
1634-04-4	UG_L	0.5	U					
75-09-2	UG_L	2.5	U					
95-47-6	UG_L	0.5	U					
100-42-5	UG_L	0.5	U					
127-18-4	UG_L	0.5	UJ	c				
108-88-3	UG_L	0.5	U					
156-60-5	UG_L	0.5	U					
10061-02-6	UG_L	0.5	U					
79-01-6	UG_L	0.5	U					
75-69-4	UG_L	1	UJ	c				
75-01-4	UG_L	1	U					
1330-20-7	UG_L	1.5	U					

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3445		
		Lab Identification			SM3445-2		
		Sample Identification			VPB172-GW-040919-398-400		
		Sample Date			4/9/2019		
		Sample Type			Groundwater		
CAS No	Units	Result	Qual	RC			
8260C 1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U			
8260C 1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U			
8260C 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U			
8260C 1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U			
8260C 1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U			
8260C 1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U			
8260C 1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U			
8260C 1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U			
8260C 1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U			
8260C 1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U			
8260C 1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U			
8260C 1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U			
8260C 1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U			
8260C 1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U			
8260C 1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U			
8260C 2-BUTANONE	78-93-3	UG_L	2.5	U			
8260C 2-HEXANONE	591-78-6	UG_L	2.5	U			
8260C 4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U			
8260C ACETONE	67-64-1	UG_L	2.5	UJ	c		
8260C BENZENE	71-43-2	UG_L	0.5	U			
8260C BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U			
8260C BROMOFORM	75-25-2	UG_L	0.5	U			
8260C BROMOMETHANE	74-83-9	UG_L	1	U			
8260C CARBON DISULFIDE	75-15-0	UG_L	0.48	J			
8260C CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U			
8260C CHLOROBENZENE	108-90-7	UG_L	0.5	U			
8260C CHLOROETHANE	75-00-3	UG_L	1	U			
8260C CHLOROFORM	67-66-3	UG_L	0.5	U			
8260C CHLOROMETHANE	74-87-3	UG_L	1	U			
8260C CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U			
8260C CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U			
8260C CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	c		
8260C DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U			
8260C DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U			
8260C ETHYLBENZENE	100-41-4	UG_L	0.5	U			
8260C ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U			
8260C M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U			
8260C METHYL ACETATE	79-20-9	UG_L	0.75	U			
8260C METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U			
8260C METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U			
8260C METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U			
8260C O-XYLENE	95-47-6	UG_L	0.5	U			
8260C STYRENE	100-42-5	UG_L	0.5	U			
8260C TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	c		
8260C TOLUENE	108-88-3	UG_L	0.5	U			
8260C TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U			
8260C TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U			
8260C TRICHLOROETHENE	79-01-6	UG_L	0.5	U			
8260C TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c		
8260C VINYL CHLORIDE	75-01-4	UG_L	1	U			
8260C XYLENES, TOTAL	1330-20-7	UG_L	1.5	U			

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group					
		Lab Identification			SM3445		
		Sample Identification			SM3445-3		
		Sample Date			VPB172-GW-040919-423-425		
			4/9/2019			Groundwater	
Method	Analyte	CAS No	Units	Result	Qual	RC	
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c	
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	U		
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.29	J		
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	c	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	c	
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U		
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group					
		Lab Identification			SM3445		
		Sample Identification			SM3445-4		
		Sample Date			VPB172-GW-040919-438-440		
			4/9/2019			Groundwater	
Method	Analyte	CAS No	Units	Result	Qual	RC	
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c	
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	U		
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U		
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	c	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	c	
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U		
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SM3542		
		Lab Identification		SM3542-1RA		
		Sample Identification		VPB172-TB05-041019		
		Sample Date		4/10/2019		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	c
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	c
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3542		
		Lab Identification			SM3542-2RA		
		Sample Identification			VPB172-GW-041019-458-460		
		Sample Date	Sample Type		4/10/2019	Groundwater	
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	4	J		
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	c	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U		
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U		
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	c	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	c	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group					
		Lab Identification			SM3542		
		Sample Identification			SM3542-3RA2		
		Sample Date			VPB172-GW-041019-498-500		
			4/10/2019			Groundwater	
Method	Analyte	CAS No	Units	Result	Qual	RC	
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	2.5	U		
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	c	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U		
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	bl	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	c	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	c	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3542-4RA		
		Lab Identification			VPB172-GW-041019-478-480		
		Sample Identification			4/10/2019		
		Sample Date	Sample Type				Groundwater
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	4.1	J	s	
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	c	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U		
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U		
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	c	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	c	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group					
		Lab Identification			SM3641		
		Sample Identification			SM3641-1		
		Sample Date			VPB172-TB06-041219		
			4/12/2019			Trip Blank	
Method	Analyte	CAS No	Units	Result	Qual	RC	
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	2.5	U		
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	c	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U		
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U		
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	c	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	c	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group					
		Lab Identification			SM3641		
		Sample Identification			SM3641-2		
		Sample Date			VPB172-GW-041219-518-520		
			4/12/2019			Groundwater	
Method	Analyte	CAS No	Units	Result	Qual	RC	
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	5.2	J	s	
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	c	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U		
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.39	J	s	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	c	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	c	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3784		
		Lab Identification			SM3784-1		
		Sample Identification			VPB172-GW-041519-538-540		
		Sample Date			4/15/2019		
		Sample Type			Groundwater		
CAS No	Units	Result	Qual	RC			
8260C 1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U			
8260C 1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U			
8260C 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U			
8260C 1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U			
8260C 1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U			
8260C 1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U			
8260C 1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U			
8260C 1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U			
8260C 1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U			
8260C 1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U			
8260C 1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U			
8260C 1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U			
8260C 1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U			
8260C 1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U			
8260C 1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U			
8260C 2-BUTANONE	78-93-3	UG_L	2.5	U			
8260C 2-HEXANONE	591-78-6	UG_L	2.5	U			
8260C 4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U			
8260C ACETONE	67-64-1	UG_L	2.6	J			
8260C BENZENE	71-43-2	UG_L	0.5	U			
8260C BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U			
8260C BROMOFORM	75-25-2	UG_L	0.5	U			
8260C BROMOMETHANE	74-83-9	UG_L	1	UJ	c		
8260C CARBON DISULFIDE	75-15-0	UG_L	0.5	U			
8260C CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U			
8260C CHLOROBENZENE	108-90-7	UG_L	0.5	U			
8260C CHLOROETHANE	75-00-3	UG_L	1	U			
8260C CHLOROFORM	67-66-3	UG_L	0.5	U			
8260C CHLOROMETHANE	74-87-3	UG_L	1	U			
8260C CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U			
8260C CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U			
8260C CYCLOHEXANE	110-82-7	UG_L	0.5	U			
8260C DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U			
8260C DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U			
8260C ETHYLBENZENE	100-41-4	UG_L	0.5	U			
8260C ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U			
8260C M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U			
8260C METHYL ACETATE	79-20-9	UG_L	0.75	U			
8260C METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U			
8260C METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U			
8260C METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U			
8260C O-XYLENE	95-47-6	UG_L	0.5	U			
8260C STYRENE	100-42-5	UG_L	0.5	U			
8260C TETRACHLOROETHENE	127-18-4	UG_L	0.5	U			
8260C TOLUENE	108-88-3	UG_L	0.5	U			
8260C TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U			
8260C TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U			
8260C TRICHLOROETHENE	79-01-6	UG_L	0.5	U			
8260C TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U			
8260C VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c		
8260C XYLENES, TOTAL	1330-20-7	UG_L	1.5	U			

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group					
		Lab Identification			SM3784		
		Sample Identification			SM3784-2		
		Sample Date			VPB172-GW-041519-558-560		
			4/15/2019			Groundwater	
Method	Analyte	CAS No	Units	Result	Qual	RC	
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.81	J		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	8			
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U		
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U		
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	0.41	J		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.3	J		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U		
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group					
		Lab Identification			SM3784		
		Sample Identification			SM3784-3		
		Sample Date			VPB172-GW-578-580-041619		
			4/16/2019			Groundwater	
Method	Analyte	CAS No	Units	Result	Qual	RC	
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	2.5	U		
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U		
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U		
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U		
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SM3784		
		Lab Identification		SM3784-4		
		Sample Identification		VPB172-GW-598-600-041619		
		Sample Date		4/16/2019		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	8		
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group	SM3784		
		Lab Identification	SM3784-5		
		Sample Identification	VPB172-GW-618-620-041619		
		Sample Date	4/16/2019		
		Sample Type	Groundwater		
Method	Analyte	CAS No	Units	Result	Qual
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U
8260C	ACETONE	67-64-1	UG_L	2.5	U
8260C	BENZENE	71-43-2	UG_L	0.5	U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U
8260C	BROMOFORM	75-25-2	UG_L	0.5	U
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U
8260C	CHLOROETHANE	75-00-3	UG_L	1	U
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U
8260C	O-XYLENE	95-47-6	UG_L	0.5	U
8260C	STYRENE	100-42-5	UG_L	0.5	U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U
8260C	TOLUENE	108-88-3	UG_L	0.5	U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3785		
		Lab Identification			SM3785-1		
		Sample Identification			VPB172-TB07-041719		
		Sample Date			4/17/2019		
		Sample Type			Trip Blank		
CAS No	Units	Result	Qual	RC			
8260C 1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U			
8260C 1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U			
8260C 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U			
8260C 1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U			
8260C 1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U			
8260C 1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U			
8260C 1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U			
8260C 1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U			
8260C 1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U			
8260C 1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U			
8260C 1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U			
8260C 1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U			
8260C 1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U			
8260C 1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U			
8260C 1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U			
8260C 2-BUTANONE	78-93-3	UG_L	2.5	U			
8260C 2-HEXANONE	591-78-6	UG_L	2.5	U			
8260C 4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U			
8260C ACETONE	67-64-1	UG_L	2.5	U			
8260C BENZENE	71-43-2	UG_L	0.5	U			
8260C BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U			
8260C BROMOFORM	75-25-2	UG_L	0.5	U			
8260C BROMOMETHANE	74-83-9	UG_L	1	UJ	c		
8260C CARBON DISULFIDE	75-15-0	UG_L	0.5	U			
8260C CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U			
8260C CHLOROBENZENE	108-90-7	UG_L	0.5	U			
8260C CHLOROETHANE	75-00-3	UG_L	1	U			
8260C CHLOROFORM	67-66-3	UG_L	0.5	U			
8260C CHLOROMETHANE	74-87-3	UG_L	1	U			
8260C CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U			
8260C CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U			
8260C CYCLOHEXANE	110-82-7	UG_L	0.5	U			
8260C DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U			
8260C DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U			
8260C ETHYLBENZENE	100-41-4	UG_L	0.5	U			
8260C ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U			
8260C M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U			
8260C METHYL ACETATE	79-20-9	UG_L	0.75	U			
8260C METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U			
8260C METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U			
8260C METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U			
8260C O-XYLENE	95-47-6	UG_L	0.5	U			
8260C STYRENE	100-42-5	UG_L	0.5	U			
8260C TETRACHLOROETHENE	127-18-4	UG_L	0.5	U			
8260C TOLUENE	108-88-3	UG_L	0.5	U			
8260C TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U			
8260C TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U			
8260C TRICHLOROETHENE	79-01-6	UG_L	0.5	U			
8260C TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U			
8260C VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c		
8260C XYLENES, TOTAL	1330-20-7	UG_L	1.5	U			

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3785		
		Lab Identification			SM3785-2		
		Sample Identification			VPB172-FD-GW-041719		
		Sample Date			4/17/2019		
Sample Type		Field Duplicate					
Method	Analyte	CAS No	Units	Result	Qual	RC	
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.42	J		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	fd	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	2.5	U		
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	fd	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	fd	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U		
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U		
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group					
		Lab Identification			SM3785		
		Sample Identification			SM3785-3		
		Sample Date			VPB172-GW-041719-638-640		
			4/17/2019			Groundwater	
Method	Analyte	CAS No	Units	Result	Qual	RC	
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.56	J		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	2.5	U		
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c	
8260C	CARBON DISULFIDE	75-15-0	UG_L	1.5	J	fd	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	0.56	J	fd	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U		
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U		
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SM3785		
		Lab Identification		SM3785-4		
		Sample Identification		VPB172-GW-041719-658-660		
		Sample Date		4/17/2019		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.57	J	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	3.8		
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.53	J	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3879		
		Lab Identification			SM3879-1		
		Sample Identification			VPB172-TB07-041919		
		Sample Date			4/19/2019		
		Sample Type			Trip Blank		
CAS No	Units	Result	Qual	RC			
8260C 1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U			
8260C 1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U			
8260C 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U			
8260C 1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U			
8260C 1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U			
8260C 1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U			
8260C 1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U			
8260C 1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U			
8260C 1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U			
8260C 1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U			
8260C 1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U			
8260C 1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U			
8260C 1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U			
8260C 1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U			
8260C 1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U			
8260C 2-BUTANONE	78-93-3	UG_L	2.5	U			
8260C 2-HEXANONE	591-78-6	UG_L	2.5	U			
8260C 4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U			
8260C ACETONE	67-64-1	UG_L	2.5	U			
8260C BENZENE	71-43-2	UG_L	0.5	U			
8260C BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U			
8260C BROMOFORM	75-25-2	UG_L	0.5	U			
8260C BROMOMETHANE	74-83-9	UG_L	1	UJ	c		
8260C CARBON DISULFIDE	75-15-0	UG_L	0.5	U			
8260C CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U			
8260C CHLOROBENZENE	108-90-7	UG_L	0.5	U			
8260C CHLOROETHANE	75-00-3	UG_L	1	U			
8260C CHLOROFORM	67-66-3	UG_L	0.5	U			
8260C CHLOROMETHANE	74-87-3	UG_L	1	U			
8260C CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U			
8260C CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U			
8260C CYCLOHEXANE	110-82-7	UG_L	0.5	U			
8260C DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U			
8260C DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U			
8260C ETHYLBENZENE	100-41-4	UG_L	0.5	U			
8260C ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U			
8260C M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U			
8260C METHYL ACETATE	79-20-9	UG_L	0.75	U			
8260C METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U			
8260C METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U			
8260C METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U			
8260C O-XYLENE	95-47-6	UG_L	0.5	U			
8260C STYRENE	100-42-5	UG_L	0.5	U			
8260C TETRACHLOROETHENE	127-18-4	UG_L	0.5	U			
8260C TOLUENE	108-88-3	UG_L	0.5	U			
8260C TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U			
8260C TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U			
8260C TRICHLOROETHENE	79-01-6	UG_L	0.5	U			
8260C TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U			
8260C VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c		
8260C XYLENES, TOTAL	1330-20-7	UG_L	1.5	U			

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3879		
		Lab Identification			SM3879-2		
		Sample Identification			VPB172-GW-041919-678-680		
		Sample Date			4/19/2019		
		Sample Type			Groundwater		
CAS No	Units	Result	Qual	RC			
8260C 1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U			
8260C 1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U			
8260C 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	2.5				
8260C 1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U			
8260C 1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U			
8260C 1,1-DICHLOROETHENE	75-35-4	UG_L	0.85	J			
8260C 1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U			
8260C 1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U			
8260C 1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U			
8260C 1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U			
8260C 1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U			
8260C 1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U			
8260C 1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U			
8260C 1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U			
8260C 1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U			
8260C 2-BUTANONE	78-93-3	UG_L	2.5	U			
8260C 2-HEXANONE	591-78-6	UG_L	2.5	U			
8260C 4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U			
8260C ACETONE	67-64-1	UG_L	3.5	J			
8260C BENZENE	71-43-2	UG_L	0.5	U			
8260C BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U			
8260C BROMOFORM	75-25-2	UG_L	0.5	U			
8260C BROMOMETHANE	74-83-9	UG_L	1	UJ	c		
8260C CARBON DISULFIDE	75-15-0	UG_L	0.5	U			
8260C CARBON TETRACHLORIDE	56-23-5	UG_L	1.8				
8260C CHLOROBENZENE	108-90-7	UG_L	0.5	U			
8260C CHLOROETHANE	75-00-3	UG_L	1	U			
8260C CHLOROFORM	67-66-3	UG_L	0.87	J			
8260C CHLOROMETHANE	74-87-3	UG_L	1	U			
8260C CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U			
8260C CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U			
8260C CYCLOHEXANE	110-82-7	UG_L	0.5	U			
8260C DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U			
8260C DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U			
8260C ETHYLBENZENE	100-41-4	UG_L	0.5	U			
8260C ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U			
8260C M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U			
8260C METHYL ACETATE	79-20-9	UG_L	0.75	U			
8260C METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U			
8260C METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U			
8260C METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U			
8260C O-XYLENE	95-47-6	UG_L	0.5	U			
8260C STYRENE	100-42-5	UG_L	0.5	U			
8260C TETRACHLOROETHENE	127-18-4	UG_L	0.5	U			
8260C TOLUENE	108-88-3	UG_L	0.5	U			
8260C TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U			
8260C TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U			
8260C TRICHLOROETHENE	79-01-6	UG_L	9.2				
8260C TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U			
8260C VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c		
8260C XYLENES, TOTAL	1330-20-7	UG_L	1.5	U			

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SM3985		
		Lab Identification		SM3985-1		
		Sample Identification		VPB172-TB08-042219		
		Sample Date		4/22/2019		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3985		
		Lab Identification			SM3985-2		
		Sample Identification			VPB172-GW-042219-698-700		
		Sample Date			4/22/2019		
		Sample Type			Groundwater		
CAS No	Units	Result	Qual	RC			
8260C 1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U			
8260C 1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U			
8260C 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U			
8260C 1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U			
8260C 1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U			
8260C 1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U			
8260C 1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U			
8260C 1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U			
8260C 1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U			
8260C 1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U			
8260C 1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U			
8260C 1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U			
8260C 1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U			
8260C 1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U			
8260C 1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U			
8260C 2-BUTANONE	78-93-3	UG_L	2.5	U			
8260C 2-HEXANONE	591-78-6	UG_L	2.5	U			
8260C 4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U			
8260C ACETONE	67-64-1	UG_L	2.5	U			
8260C BENZENE	71-43-2	UG_L	0.5	U			
8260C BROMODICHLOROMETHANE	75-27-4	UG_L	0.64	J			
8260C BROMOFORM	75-25-2	UG_L	0.5	U			
8260C BROMOMETHANE	74-83-9	UG_L	1	UJ	c		
8260C CARBON DISULFIDE	75-15-0	UG_L	0.5	U			
8260C CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U			
8260C CHLOROBENZENE	108-90-7	UG_L	0.5	U			
8260C CHLOROETHANE	75-00-3	UG_L	1	U			
8260C CHLOROFORM	67-66-3	UG_L	0.5	U			
8260C CHLOROMETHANE	74-87-3	UG_L	1	U			
8260C CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U			
8260C CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U			
8260C CYCLOHEXANE	110-82-7	UG_L	0.5	U			
8260C DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	bf		
8260C DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U			
8260C ETHYLBENZENE	100-41-4	UG_L	0.5	U			
8260C ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U			
8260C M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U			
8260C METHYL ACETATE	79-20-9	UG_L	0.75	U			
8260C METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U			
8260C METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U			
8260C METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U			
8260C O-XYLENE	95-47-6	UG_L	0.5	U			
8260C STYRENE	100-42-5	UG_L	0.5	U			
8260C TETRACHLOROETHENE	127-18-4	UG_L	0.5	U			
8260C TOLUENE	108-88-3	UG_L	0.5	U			
8260C TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U			
8260C TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U			
8260C TRICHLOROETHENE	79-01-6	UG_L	0.5	U			
8260C TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U			
8260C VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c		
8260C XYLENES, TOTAL	1330-20-7	UG_L	1.5	U			

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3985		
		Lab Identification			SM3985-3		
		Sample Identification			VPB172-ERB-042219-698-700		
		Sample Date	Sample Type		4/22/2019	Equipment Blank	
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	3.1	J		
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U		
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U		
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U		
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3985		
		Lab Identification			SM3985-4		
		Sample Identification			VPB172-GW-042219-718-720		
		Sample Date			4/22/2019		
		Sample Type			Groundwater		
CAS No	Units	Result	Qual	RC			
8260C 1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U			
8260C 1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U			
8260C 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U			
8260C 1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U			
8260C 1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U			
8260C 1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U			
8260C 1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U			
8260C 1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U			
8260C 1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U			
8260C 1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U			
8260C 1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U			
8260C 1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U			
8260C 1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U			
8260C 1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U			
8260C 1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U			
8260C 2-BUTANONE	78-93-3	UG_L	2.5	U			
8260C 2-HEXANONE	591-78-6	UG_L	2.5	U			
8260C 4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U			
8260C ACETONE	67-64-1	UG_L	5.9				
8260C BENZENE	71-43-2	UG_L	0.5	U			
8260C BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U			
8260C BROMOFORM	75-25-2	UG_L	0.5	U			
8260C BROMOMETHANE	74-83-9	UG_L	1	UJ	c		
8260C CARBON DISULFIDE	75-15-0	UG_L	0.5	U			
8260C CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U			
8260C CHLOROBENZENE	108-90-7	UG_L	0.5	U			
8260C CHLOROETHANE	75-00-3	UG_L	1	U			
8260C CHLOROFORM	67-66-3	UG_L	0.5	U			
8260C CHLOROMETHANE	74-87-3	UG_L	1	U			
8260C CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U			
8260C CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U			
8260C CYCLOHEXANE	110-82-7	UG_L	0.5	U			
8260C DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U			
8260C DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U			
8260C ETHYLBENZENE	100-41-4	UG_L	0.5	U			
8260C ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U			
8260C M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U			
8260C METHYL ACETATE	79-20-9	UG_L	0.75	U			
8260C METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U			
8260C METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U			
8260C METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U			
8260C O-XYLENE	95-47-6	UG_L	0.5	U			
8260C STYRENE	100-42-5	UG_L	0.5	U			
8260C TETRACHLOROETHENE	127-18-4	UG_L	0.5	U			
8260C TOLUENE	108-88-3	UG_L	0.5	U			
8260C TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U			
8260C TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U			
8260C TRICHLOROETHENE	79-01-6	UG_L	0.5	U			
8260C TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U			
8260C VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c		
8260C XYLENES, TOTAL	1330-20-7	UG_L	1.5	U			

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3985		
		Lab Identification			SM3985-5		
		Sample Identification			VPB172-GW-042319-738-740		
		Sample Date			4/23/2019		
		Sample Type			Groundwater		
CAS No	Units	Result	Qual	RC			
8260C 1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U			
8260C 1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U			
8260C 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	5.9				
8260C 1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U			
8260C 1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U			
8260C 1,1-DICHLOROETHENE	75-35-4	UG_L	1.5				
8260C 1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U			
8260C 1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U			
8260C 1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U			
8260C 1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U			
8260C 1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U			
8260C 1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.66	J			
8260C 1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U			
8260C 1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U			
8260C 1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U			
8260C 2-BUTANONE	78-93-3	UG_L	2.5	U			
8260C 2-HEXANONE	591-78-6	UG_L	2.5	U			
8260C 4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U			
8260C ACETONE	67-64-1	UG_L	2.9	J			
8260C BENZENE	71-43-2	UG_L	0.5	U			
8260C BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U			
8260C BROMOFORM	75-25-2	UG_L	0.5	U			
8260C BROMOMETHANE	74-83-9	UG_L	1	UJ	c		
8260C CARBON DISULFIDE	75-15-0	UG_L	1.4				
8260C CARBON TETRACHLORIDE	56-23-5	UG_L	1.9				
8260C CHLOROBENZENE	108-90-7	UG_L	0.5	U			
8260C CHLOROETHANE	75-00-3	UG_L	1	U			
8260C CHLOROFORM	67-66-3	UG_L	1.3				
8260C CHLOROMETHANE	74-87-3	UG_L	1	U			
8260C CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.66	J			
8260C CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U			
8260C CYCLOHEXANE	110-82-7	UG_L	0.5	U			
8260C DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U			
8260C DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U			
8260C ETHYLBENZENE	100-41-4	UG_L	0.5	U			
8260C ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U			
8260C M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U			
8260C METHYL ACETATE	79-20-9	UG_L	0.75	U			
8260C METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U			
8260C METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U			
8260C METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U			
8260C O-XYLENE	95-47-6	UG_L	0.5	U			
8260C STYRENE	100-42-5	UG_L	0.5	U			
8260C TETRACHLOROETHENE	127-18-4	UG_L	0.5	U			
8260C TOLUENE	108-88-3	UG_L	0.5	U			
8260C TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U			
8260C TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U			
8260C TRICHLOROETHENE	79-01-6	UG_L	140				
8260C TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U			
8260C VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c		
8260C XYLENES, TOTAL	1330-20-7	UG_L	1.5	U			

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group					
		Lab Identification			SM3985		
		Sample Identification			SM3985-6		
		Sample Date			VPB172-GW-042419-773-775		
			4/24/2019			Groundwater	
Method	Analyte	CAS No	Units	Result	Qual	RC	
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	9.6			
8260C	2-HEXANONE	591-78-6	UG_L	8.1			
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	39			
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U		
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1.5	J		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U		
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U		
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SM3985		
		Lab Identification		SM3985-7		
		Sample Identification		VPB172-FB-042419		
		Sample Date		4/24/2019		
		Sample Type		Field Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.53	J	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3985		
		Lab Identification			SM3985-8		
		Sample Identification			VPB172-GW-042419-783-785		
		Sample Date	4/24/2019	Sample Type	Groundwater		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.4	J		
8260C	2-HEXANONE	591-78-6	UG_L	10			
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	14			
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U		
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1.1	J		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U		
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	29			
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U		
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM3985		
		Lab Identification			SM3985-9		
		Sample Identification			VPB172-GW-042419-798-800		
		Sample Date			4/24/2019		
		Sample Type			Groundwater		
CAS No	Units	Result	Qual	RC			
8260C 1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U			
8260C 1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U			
8260C 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.92	J			
8260C 1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U			
8260C 1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U			
8260C 1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U			
8260C 1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U			
8260C 1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U			
8260C 1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U			
8260C 1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U			
8260C 1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U			
8260C 1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U			
8260C 1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U			
8260C 1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U			
8260C 1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U			
8260C 2-BUTANONE	78-93-3	UG_L	2.5	U			
8260C 2-HEXANONE	591-78-6	UG_L	2.5	U			
8260C 4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U			
8260C ACETONE	67-64-1	UG_L	7.4				
8260C BENZENE	71-43-2	UG_L	0.5	U			
8260C BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U			
8260C BROMOFORM	75-25-2	UG_L	0.5	U			
8260C BROMOMETHANE	74-83-9	UG_L	1	UJ	c		
8260C CARBON DISULFIDE	75-15-0	UG_L	1.5				
8260C CARBON TETRACHLORIDE	56-23-5	UG_L	1.2				
8260C CHLOROBENZENE	108-90-7	UG_L	0.5	U			
8260C CHLOROETHANE	75-00-3	UG_L	1	U			
8260C CHLOROFORM	67-66-3	UG_L	0.5	U			
8260C CHLOROMETHANE	74-87-3	UG_L	1	U			
8260C CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U			
8260C CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U			
8260C CYCLOHEXANE	110-82-7	UG_L	0.5	U			
8260C DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U			
8260C DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U			
8260C ETHYLBENZENE	100-41-4	UG_L	0.5	U			
8260C ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U			
8260C M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U			
8260C METHYL ACETATE	79-20-9	UG_L	5.7				
8260C METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U			
8260C METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U			
8260C METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U			
8260C O-XYLENE	95-47-6	UG_L	0.5	U			
8260C STYRENE	100-42-5	UG_L	0.5	U			
8260C TETRACHLOROETHENE	127-18-4	UG_L	0.5	U			
8260C TOLUENE	108-88-3	UG_L	0.5	U			
8260C TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U			
8260C TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U			
8260C TRICHLOROETHENE	79-01-6	UG_L	11				
8260C TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U			
8260C VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c		
8260C XYLENES, TOTAL	1330-20-7	UG_L	1.5	U			

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group	SM4104		
		Lab Identification	SM4104-1RA		
		Sample Identification	VPB172-TB09-042519		
		Sample Date	4/25/2019		
		Sample Type	Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U
8260C	ACETONE	67-64-1	UG_L	2.5	U
8260C	BENZENE	71-43-2	UG_L	0.5	U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U
8260C	BROMOFORM	75-25-2	UG_L	0.5	U
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U
8260C	CHLOROETHANE	75-00-3	UG_L	1	U
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U
8260C	O-XYLENE	95-47-6	UG_L	0.5	U
8260C	STYRENE	100-42-5	UG_L	0.5	U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U
8260C	TOLUENE	108-88-3	UG_L	0.5	U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U

Notes:

- UG_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment A)
- RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SM4104		
		Lab Identification		SM4104-2DL		
		Sample Identification		VPB172-GW-042519-818-820		
		Sample Date		4/25/2019		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	1	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	1	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	1	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	1.5	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	1	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	1	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	1	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	1	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	1	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	1	U	
8260C	2-BUTANONE	78-93-3	UG_L	5	U	
8260C	2-HEXANONE	591-78-6	UG_L	5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	5	U	
8260C	ACETONE	67-64-1	UG_L	20		
8260C	BENZENE	71-43-2	UG_L	1	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	1	U	
8260C	BROMOFORM	75-25-2	UG_L	1	U	
8260C	BROMOMETHANE	74-83-9	UG_L	2	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	1	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	1	U	
8260C	CHLOROETHANE	75-00-3	UG_L	2	U	
8260C	CHLOROFORM	67-66-3	UG_L	1	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	2	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	1	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	1	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	2	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	1	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	1	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	2	U	
8260C	METHYL ACETATE	79-20-9	UG_L	36		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	1	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	1	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	5	U	
8260C	O-XYLENE	95-47-6	UG_L	1	U	
8260C	STYRENE	100-42-5	UG_L	1	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1	U	
8260C	TOLUENE	108-88-3	UG_L	1	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	1	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	1	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	1	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	2	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	2	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	3	U	

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM4104		
		Lab Identification			SM4104-3RA		
		Sample Identification			VPB172-GW-042519-838-840		
		Sample Date	Sample Type		4/25/2019	Groundwater	
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	2.5	U		
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U		
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U		
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	1.8			
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U		
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SM4104		
		Lab Identification		SM4104-4RA		
		Sample Identification		VPB172-ERB-042519-838-840		
		Sample Date		4/25/2019		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	4.1	J	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM4104		
		Lab Identification			SM4104-5RA		
		Sample Identification			VPB172-GW-042519-858-860		
		Sample Date	Sample Type		4/25/2019	Groundwater	
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	2.5	U		
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.57	J		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c	
8260C	CARBON DISULFIDE	75-15-0	UG_L	3.6			
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U		
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.86	J		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	2.6			
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U		
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SM4104		
		Lab Identification		SM4104-6DL		
		Sample Identification		VPB172-GW-042619-878-880		
		Sample Date		4/26/2019		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	1	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	1	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	1	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	1.5	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	1	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	1	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	1	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	1	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	1	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	1	U	
8260C	2-BUTANONE	78-93-3	UG_L	5	U	
8260C	2-HEXANONE	591-78-6	UG_L	5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	5	U	
8260C	ACETONE	67-64-1	UG_L	4.8	J	
8260C	BENZENE	71-43-2	UG_L	1	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	1	U	
8260C	BROMOFORM	75-25-2	UG_L	1	U	
8260C	BROMOMETHANE	74-83-9	UG_L	2	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	1	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	1	U	
8260C	CHLOROETHANE	75-00-3	UG_L	2	U	
8260C	CHLOROFORM	67-66-3	UG_L	1	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	2	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	1	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	1	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	2	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	1	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	1	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	2	U	
8260C	METHYL ACETATE	79-20-9	UG_L	8.2		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	1	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	1	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	5	U	
8260C	O-XYLENE	95-47-6	UG_L	1	U	
8260C	STYRENE	100-42-5	UG_L	1	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1	U	
8260C	TOLUENE	108-88-3	UG_L	1	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	1	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	1	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	1	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	2	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	2	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	3	U	

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

VPB 172
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	Sample Delivery Group			SM4104		
		Lab Identification			SM4104-7RA		
		Sample Identification			VPB172-GW-042919-908-910		
		Sample Date	Sample Type		4/29/2019	Groundwater	
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U		
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U		
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U		
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U		
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U		
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U		
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U		
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U		
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U		
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U		
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U		
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U		
8260C	ACETONE	67-64-1	UG_L	9.5			
8260C	BENZENE	71-43-2	UG_L	0.5	U		
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U		
8260C	BROMOFORM	75-25-2	UG_L	0.5	U		
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U		
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U		
8260C	CHLOROETHANE	75-00-3	UG_L	1	U		
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U		
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U		
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U		
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U		
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U		
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U		
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U		
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U		
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U		
8260C	O-XYLENE	95-47-6	UG_L	0.5	U		
8260C	STYRENE	100-42-5	UG_L	0.5	U		
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U		
8260C	TOLUENE	108-88-3	UG_L	0.5	U		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U		
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U		
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U		
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U		

Notes:

- UG_L = Micrograms per liter
 Qual = Final qualifiers (See Attachment A)
 RC = Reason codes (See Attachment B)

Section 5
VPB172 Analytical Data Table

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB172	VPB172	VPB172	VPB172
Sample Date		4/1/2019	4/1/2019	4/3/2019	4/3/2019
Sample ID		VPB172-GW-040119 58-60	VPB172-GW-040119 98-100	VPB172-GW-040319 158-160	VPB172-GW-040319 203-205
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<0.75 U	<0.75 U	<0.75 U	<0.75 U
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	0.22 J	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	<1 U	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	3.1 J	3 J	3.7 J	4.7 J
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	60	<0.5 U	<0.5 U	<0.5 UJ	<0.5 UJ
CARBON TETRACHLORIDE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 UJ	<0.5 UJ
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<0.5 U	2.2	<0.5 U	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROETHENE	5	0.95 J	1	0.6 J	1.4
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 UJ	<1 UJ
VINYL CHLORIDE	2	<1 U	<1 U	<1 U	<1 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB172	VPB172	VPB172	VPB172
Sample Date		4/4/2019	4/4/2019	4/4/2019	4/4/2019
Sample ID		VPB172-GW-040419- 228-230	VPB172-GW-040419- 238-240	VPB172-GW-D- 040419	VPB172-GW-040419- 258-260
Sample type code		N	N	FD	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	0.48 J
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	2.9
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	1.5
1,1-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	0.81 J
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<0.75 U	<0.75 U	<0.75 U	<0.75 U
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	0.21 J	<0.5 U	0.28 J
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	<1 U	0.64 J
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 U	3.8 J	3.6 J	<2.5 U
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	0.33 J	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	60	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CARBON TETRACHLORIDE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	0.64 J
CIS-1,3-DICHLOROPROPENE	0.4	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CYCLOHEXANE	NL	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
DIBROMOCHLOROMETHANE	5	0.48 J	0.42 J	0.42 J	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	0.6 J
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	5.8
TRICHLOROFLUOROMETHANE	5	<1 UJ	<1 UJ	<1 UJ	<1 UJ
VINYL CHLORIDE	2	<1 U	<1 U	<1 U	<1 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB172	VPB172	VPB172	VPB172
Sample Date		4/5/2019	4/5/2019	4/5/2019	4/8/2019
Sample ID		VPB172-GW-040519 283-285	VPB172-GW-040519 298-300	VPB172-GW-040519 318-320	VPB172-GW-040819 343-345
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<0.75 U	<0.75 U	<0.75 U	<0.75 U
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	<1 U	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	4.6 J	3.1 J	2.7 J	<2.5 U
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	60	<0.5 U	<0.5 U	<0.5 U	3.3
CARBON TETRACHLORIDE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	0.61 J
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
VINYL CHLORIDE	2	<1 U	<1 U	<1 U	<1 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB172	VPB172	VPB172	VPB172
Sample Date		4/8/2019	4/8/2019	4/9/2019	4/9/2019
Sample ID		VPB172-GW-040819 358-360	VPB172-GW-040819 378-380	VPB172-GW-040919 398-400	VPB172-GW-040919 423-425
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<0.75 U	<0.75 U	<0.75 U	<0.75 U
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	<1 U	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	3.5 J	3.1 J	<2.5 UJ	<2.5 UJ
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	60	1.6	<0.5 U	0.48 J	0.29 J
CARBON TETRACHLORIDE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 UJ	<0.5 UJ
DIBROMOCHLOROMETHANE	5	0.6 J	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 UJ	<0.5 UJ
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 UJ	<1 UJ
VINYL CHLORIDE	2	<1 U	<1 U	<1 U	<1 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB172	VPB172	VPB172	VPB172
Sample Date		4/9/2019	4/10/2019	4/10/2019	4/10/2019
Sample ID		VPB172-GW-040919 438-440	VPB172-GW-041019 458-460	VPB172-GW-041019 478-480	VPB172-GW-041019 498-500
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<0.75 U	<0.75 U	<0.75 U	<0.75 U
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	<1 U	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 UJ	4 J	4.1 J	<2.5 U
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 UJ	<0.5 UJ	<0.5 UJ
BROMOMETHANE	5	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	60	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CARBON TETRACHLORIDE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROMETHANE	5	<1 U	<1 UJ	<1 UJ	<1 UJ
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CYCLOHEXANE	NL	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 UJ	<1 UJ	<1 UJ
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	5	<1 UJ	<1 UJ	<1 UJ	<1 UJ
VINYL CHLORIDE	2	<1 U	<1 UJ	<1 UJ	<1 UJ
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB172	VPB172	VPB172	VPB172
Sample Date		4/12/2019	4/15/2019	4/15/2019	4/16/2019
Sample ID		VPB172-GW-041219 518-520	VPB172-GW-041519 538-540	VPB172-GW-041519 558-560	VPB172-GW-578- 580-041619
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<0.5 U	0.81 J	<0.5 U
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<0.75 U	<0.75 U	<0.75 U	<0.75 U
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	<1 U	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	5.2 J	2.6 J	8	<2.5 U
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 U	<1 UJ	<1 UJ	<1 UJ
CARBON DISULFIDE	60	0.39 J	<0.5 U	<0.5 U	<0.5 U
CARBON TETRACHLORIDE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROMETHANE	5	<1 UJ	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CYCLOHEXANE	NL	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 UJ	<1 U	0.41 J	<1 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	0.3 J	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	5	<1 UJ	<1 U	<1 U	<1 U
VINYL CHLORIDE	2	<1 UJ	<1 UJ	<1 UJ	<1 UJ
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB172	VPB172	VPB172	VPB172
Sample Date		4/16/2019	4/16/2019	4/17/2019	4/17/2019
Sample ID		VPB172-GW-598- 600-041619	VPB172-GW-618- 620-041619	VPB172-GW-041719- 638-640	VPB172-FD-GW- 041719
Sample type code		N	N	N	FD
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<0.5 U	0.56 J	0.42 J
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<0.75 U	<0.75 U	<0.75 U	<0.75 U
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	<1 U	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	8	<2.5 U	<2.5 U	<2.5 U
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 UJ	<1 UJ	<1 UJ	<1 UJ
CARBON DISULFIDE	60	<0.5 U	<0.5 U	1.5 J	<0.5 UJ
CARBON TETRACHLORIDE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROMETHANE	5	<1 U	<1 U	0.56 J	<1 UJ
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
VINYL CHLORIDE	2	<1 UJ	<1 UJ	<1 UJ	<1 UJ
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB172	VPB172	VPB172	VPB172
Sample Date		4/17/2019	4/19/2019	4/22/2019	4/22/2019
Sample ID		VPB172-GW-041719 658-660	VPB172-GW-041919 678-680	VPB172-GW-042219 698-700	VPB172-GW-042219 718-720
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	2.5	<0.5 U	<0.5 U
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<0.5 U	0.85 J	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<0.75 U	<0.75 U	<0.75 U	<0.75 U
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	<1 U	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 U	3.5 J	<2.5 U	5.9
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	0.57 J	<0.5 U	0.64 J	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 UJ	<1 UJ	<1 UJ	<1 UJ
CARBON DISULFIDE	60	3.8	<0.5 U	<0.5 U	<0.5 U
CARBON TETRACHLORIDE	5	<0.5 U	1.8	<0.5 U	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<0.5 U	0.87 J	<0.5 U	<0.5 U
CHLOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	0.53 J	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROETHENE	5	<0.5 U	9.2	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
VINYL CHLORIDE	2	<1 UJ	<1 UJ	<1 UJ	<1 UJ
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB172	VPB172	VPB172	VPB172
Sample Date		4/23/2019	4/24/2019	4/24/2019	4/24/2019
Sample ID		VPB172-GW-042319 738-740	VPB172-GW-042419 773-775	VPB172-GW-042419 783-785	VPB172-GW-042419 798-800
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	5.9	<0.5 U	<0.5 U	0.92 J
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	1.5	<0.5 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<0.75 U	<0.75 U	<0.75 U	<0.75 U
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	0.66 J	<1 U	<1 U	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	9.6	2.4 J	<2.5 U
2-HEXANONE	50	<2.5 U	8.1	10	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	2.9 J	39	14	7.4
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 UJ	<1 UJ	<1 UJ	<1 UJ
CARBON DISULFIDE	60	1.4	<0.5 U	<0.5 U	1.5
CARBON TETRACHLORIDE	5	1.9	<0.5 U	<0.5 U	1.2
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	1.5 J	1.1 J	<1 U
CHLOROFORM	7	1.3	<0.5 U	<0.5 U	<0.5 U
CHLOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	5	0.66 J	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	29	5.7
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROETHENE	5	140	<0.5 U	<0.5 U	11
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
VINYL CHLORIDE	2	<1 UJ	<1 UJ	<1 UJ	<1 UJ
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB172	VPB172	VPB172
Sample Date		4/25/2019	4/25/2019	4/25/2019
Sample ID		VPB172-GW-042519- 818-820	VPB172-GW-042519- 838-840	VPB172-GW-042519- 858-860
Sample type code		N	N	N
VOC 8260C (ug/L)				
1,1,1-TRICHLOROETHANE	5	<1 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<1 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<1 U	<0.5 U	<0.5 U
1,1,2-TRICHLOROETHANE	1	<1 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<1 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<1 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<1 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<1.5 U	<0.75 U	<0.75 U
1,2-DIBROMOETHANE	NL	<1 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<1 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<1 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<2 U	<1 U	<1 U
1,2-DICHLOROPROPANE	1	<1 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<1 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<1 U	<0.5 U	<0.5 U
2-BUTANONE	50	<5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<5 U	<2.5 U	<2.5 U
ACETONE	50	20	<2.5 U	<2.5 U
BENZENE	1	<1 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<1 U	<0.5 U	0.57 J
BROMOFORM	50	<1 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<2 UJ	<1 UJ	<1 UJ
CARBON DISULFIDE	60	<1 U	<0.5 U	3.6
CARBON TETRACHLORIDE	5	<1 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<1 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<2 U	<1 U	<1 U
CHLOROFORM	7	<1 U	<0.5 U	<0.5 U
CHLOROMETHANE	5	<2 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	5	<1 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	<1 U	<0.5 U	<0.5 U
CYCLOHEXANE	NL	<1 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	<1 U	<0.5 U	0.86 J
DICHLORODIFLUOROMETHANE	5	<2 U	<1 U	<1 U
ETHYLBENZENE	5	<1 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<1 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<2 U	<1 U	<1 U
METHYL ACETATE	NL	36	1.8	2.6
METHYL CYCLOHEXANE	NL	<1 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<1 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<1 U	<0.5 U	<0.5 U
STYRENE	5	<1 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<1 U	<0.5 U	<0.5 U
TOLUENE	5	<1 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<1 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	<1 U	<0.5 U	<0.5 U
TRICHLOROETHENE	5	<1 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	5	<2 U	<1 U	<1 U
VINYL CHLORIDE	2	<2 UJ	<1 UJ	<1 UJ
XYLENES, TOTAL	5	<3 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB172	VPB172
Sample Date		4/26/2019	4/29/2019
Sample ID		VPB172-GW-042619- 878-880	VPB172-GW-042919- 908-910
Sample type code		N	N
VOC 8260C (ug/L)			
1,1,1-TRICHLOROETHANE	5	<1 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<1 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<1 U	<0.5 U
1,1,2-TRICHLOROETHANE	1	<1 U	<0.5 U
1,1-DICHLOROETHANE	5	<1 U	<0.5 U
1,1-DICHLOROETHENE	5	<1 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<1 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<1.5 U	<0.75 U
1,2-DIBROMOETHANE	NL	<1 U	<0.5 U
1,2-DICHLOROBENZENE	3	<1 U	<0.5 U
1,2-DICHLOROETHANE	5	<1 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<2 U	<1 U
1,2-DICHLOROPROPANE	1	<1 U	<0.5 U
1,3-DICHLOROBENZENE	3	<1 U	<0.5 U
1,4-DICHLOROBENZENE	3	<1 U	<0.5 U
2-BUTANONE	50	<5 U	<2.5 U
2-HEXANONE	50	<5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<5 U	<2.5 U
ACETONE	50	4.8 J	9.5
BENZENE	1	<1 U	<0.5 U
BROMODICHLOROMETHANE	50	<1 U	<0.5 U
BROMOFORM	50	<1 U	<0.5 U
BROMOMETHANE	5	<2 UJ	<1 UJ
CARBON DISULFIDE	60	<1 U	<0.5 U
CARBON TETRACHLORIDE	5	<1 U	<0.5 U
CHLOROBENZENE	5	<1 U	<0.5 U
CHLOROETHANE	5	<2 U	<1 U
CHLOROFORM	7	<1 U	<0.5 U
CHLOROMETHANE	5	<2 U	<1 U
CIS-1,2-DICHLOROETHENE	5	<1 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	<1 U	<0.5 U
CYCLOHEXANE	NL	<1 U	<0.5 U
DIBROMOCHLOROMETHANE	5	<1 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<2 U	<1 U
ETHYLBENZENE	5	<1 U	<0.5 U
ISOPROPYLBENZENE	5	<1 U	<0.5 U
M- AND P-XYLENE	NL	<2 U	<1 U
METHYL ACETATE	NL	8.2	<0.75 U
METHYL CYCLOHEXANE	NL	<1 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<1 U	<0.5 U
METHYLENE CHLORIDE	5	<5 U	<2.5 U
O-XYLENE	NL	<1 U	<0.5 U
STYRENE	5	<1 U	<0.5 U
TETRACHLOROETHENE	5	<1 U	<0.5 U
TOLUENE	5	<1 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<1 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	<1 U	<0.5 U
TRICHLOROETHENE	5	<1 U	<0.5 U
TRICHLOROFLUOROMETHANE	5	<2 U	<1 U
VINYL CHLORIDE	2	<2 UJ	<1 UJ
XYLENES, TOTAL	5	<3 U	<1.5 U

Notes:

1 New York State Department of Environmental Conservation Division of Water Technical and Operation Guidance series
(6 NYCRR 700-706, Part 703.5 summarized in TOGS 1.1.1)
Ambient water quality standards and groundwater effluent limitations, class GA; NL = Not Listed

Bold = Detected; ***Bold and Italic*** =Not detected exceeds NYS Groundwater Standards or guidance value
Yellow highlighted values exceed Groundwater Standards or guidance value

Sample type codes: N - normal environmental sample, FD - field duplicate

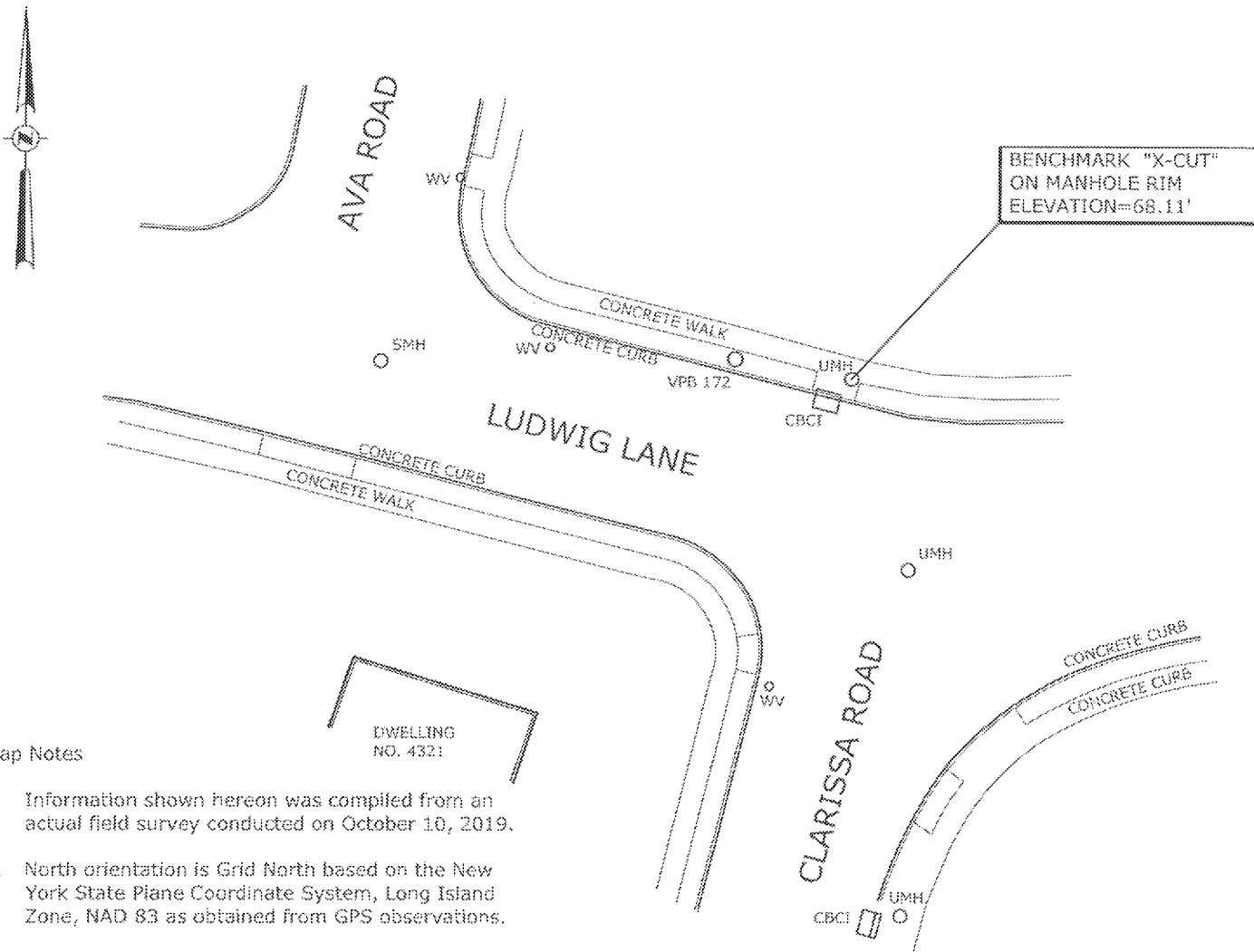
U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
M = the matrix spike or matrix spike duplicate did not meet recovery or precision requirements.

Section 6

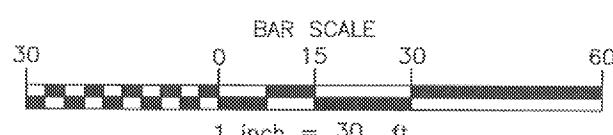
VPB172 Survey

UNAUTHORIZED ALTERATION OR ADDITION TO
THIS DOCUMENT IS A VIOLATION OF SECTION
7209 SUBDIVISION 2 OF THE NEW YORK STATE
EDUCATION LAW.

Description	Northing	Easting	Latitude	Longitude	Ground	Top of Casing	Top of PVC
VPB 172	201418.27	1137041.66	N40-43-06.14	W73-29-05.58	66.98'	67.23'	N/A

Legend

CBCI	CATCH BASIN/CURB INLET
SMH	SANITARY MANHOLE
UMH	UNKNOWN MANHOLE
VPB 172	VERTICAL PROFILE BORING
WV	WATER VALVE



DWG NO. 19-638

Date	RECORD OF WORK	Appr.	VERTICAL PROFILE BORING 172 SURVEY LOCATION 4321 LUDWIG LANE	
			TOWN OF BETHPAGE	
			NASSAU COUNTY, NEW YORK	
Drafter: MDD	Chkd by: WJN		C.T. MALE ASSOCIATES Engineering, Surveying, Architecture & Landscape Architecture, D.P.C.	
			50 CENTURY HILL DRIVE, LATHAM, NY 12110 518.786.7400 * FAX 518.786.7299	
Appr. by: WJN	049513	Proj. No. 14.4121	SCALE: 1"=30'	DATE: OCT. 10, 2019

